Changes for the Better

MITSUBISHI ELECTRIC

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS

July 2009

No. OCS16

TECHNICAL DATA BOOK R410A

<Indoor unit> **INVERTER**

[Model names]

PLA-RP·BA/BA2/BA3
PEAD-RP·JA(L)
PEA-RP·GA
PKA-RP·HAL
PKA-RP·KAL
PCA-RP·KA
PCA-RP·HA
PSA-RP·GA

<Outdoor unit>

[Model names]

PUHZ-RP35/50/60/71VHA4
PUHZ-RP100/125/140VKA
PUHZ-RP100/125/140YKA
PUHZ-RP200/250YKA

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kW Model

Mr.SLIM™

1 REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. INDOOR UNIT SERVICE MANUAL

Model name	Service Ref.	Service Manual No.
PLA-RP35/50/60/71/100/125BA PLA-RP71/125/140BA2	PLA-RP35/50/60/71/100/125BA#2.UK PLA-RP71/125/140BA2.UK	OCH412 OCB412
PLA-RP100BA3	PLA-RP100BA3	OCH459 OCB459
PCA-RP50/60/71/100/125/140KA	PCA-RP50/60/71/100/125/140KA	OCH454 OCB454
PCA-RP71/125HA	PCA-RP71/125HA#1	OC329
PKA-RP35/50HAL	PKA-RP35/50HAL	OCH453 OCB453
PKA-RP60/71/100KAL	PKA-RP60/71/100KAL.TH	OCH452 OCB452
PSA-RP71/100/125/140GA	PSA-RP71/100/125/140GA#1	OC332
PEAD-RP35/50/60/71/100/125/140JA(L)	PEAD-RP35/50/60/71/100/125/140JA(L).UK	HWE08130 BWE08240
PEA-RP200/250/400/500GA	PEA-RP200/250/400/500GA.TH-AF PEA-RP200/250GA.TH-AFMF	HWE0708A

1-2. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
PUHZ-RP35/50/60/71VHA4 PUHZ-RP100/125/140VKA PUHZ-RP100/125/140YKA PUHZ-RP200/250YKA	PUHZ-RP35/50/60/71VHA4 PUHZ-RP100/125/140VKA PUHZ-RP100/125/140YKA PUHZ-RP200/250YKA	OCH451 OCB451

2 SPECIFICATIONS

2-1. CEILING CASSETTE TYPE

Model name	Indoor unit		PLA-RP35BA	PLA-RP50BA
	Outdoor unit		PUHZ-RP35VHA4	PUHZ-RP50VHA4
Cooling	Capacity	Btu/h	12,300	17,100
		kW	3.6(1.6-4.5)	5.0(2.3-5.6)
	Total input	kW	1.07	1.55
	EER		3.36	3.23
	Energy label class		A	A
	SHF		0.84	0.81
Heating	Capacity	Btu/h	14,000	20,500
		kW	4.1(1.6-5.2)	6.0(2.5-7.3)
	Total input	kW	1.12	1.66
	COP		3.66	3.61
	Energy label class		A	A
	Booster heater	kW	–	–
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	11-12-13-15	12-14-16-18
		CFM	390-425-460-530	425-495-565-635
	External pressure	Pa	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	27-28-29-31	28-29-31-32
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4	
	Dimension Unit (Panel)	W : mm	840 (950)	
		D : mm	840 (950)	
		H : mm	258 (35)	
		W : inch	33-1/16 (37-3/8)	
		D : inch	33-1/16 (37-3/8)	
		H : inch	10-3/16 (1-3/8)	
	Weight Unit (Panel)	kg	22(6)	
		lbs	49(13)	
	Field drain pipe O.D.	mm	32	
		inch	1-1/4	
Outdoor unit	Air flow	CMM	35	
		CFM	1,240	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	800	
		D : mm	300+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	11-13/16 + 7/8	
		H : inch	23-5/8	
	Weight	kg	42	
		lbs	93	
Refrigerant pipe size	Gas side O.D.	mm	12.7	
		inch	1/2	
	Liquid side O.D.	mm	6.35	
		inch	1/4	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PLA-RP60BA	PLA-RP71BA
	Outdoor unit		PUHZ-RP60VHA4	PUHZ-RP71VHA4
Cooling	Capacity	Btu/h	20,500	24,200
		kW	6.0(2.7-6.7)	7.1(3.3-8.1)
	Total input	kW	1.60	2.09
	EER		3.75	3.40
	Energy label class		A	–
	SHF		0.76	0.73
Heating	Capacity	Btu/h	23,900	27,300
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)
	Total input	kW	1.82	2.15
	COP		3.85	3.72
	Energy label class		A	–
	Booster heater	kW	–	–
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	25	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	12-14-16-18	14-16-18-21
		CFM	425-495-565-635	495-565-635-740
	External pressure	Pa	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	28-29-31-32	28-30-32-34
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4	
	Dimension Unit (Panel)	W : mm	840 (950)	
		D : mm	840 (950)	
		H : mm	258 (35)	
		W : inch	33-1/16 (37-3/8)	
		D : inch	33-1/16 (37-3/8)	
		H : inch	10-3/16 (1-3/8)	
	Weight Unit (Panel)	kg	23(6)	
		lbs	51(13)	
	Field drain pipe O.D.	mm	32	
		inch	1-1/4	
Outdoor unit	Air flow	CMM	60	
		CFM	2,120	
	Sound level at cooling	dB(A)	47	
	Sound level at heating	dB(A)	48	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	950	
		D : mm	330+30	
		H : mm	943	
		W : inch	37-3/8	
		D : inch	13 + 1-3/16	
		H : inch	37-1/8	
	Weight	kg	67	
		lbs	148	
Refrigerant pipe size	Gas side O.D.	mm	15.88	
		inch	5/8	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PLA-RP71BA2	PLA-RP100BA	PLA-RP100BA3
	Outdoor unit		PUHZ-RP71VHA4	PUHZ-RP100VKA	PUHZ-RP100VKA
Cooling	Capacity	Btu/h	24,200	34,100	34,100
		kW	7.1(3.3-8.1)	10.0(4.9-11.4)	10.0(4.9-11.4)
	Total input	kW	1.90	2.65	2.39
	EER		3.74	3.77	4.18
	Energy label class		A	–	A
	SHF		0.73	0.74	0.74
Heating	Capacity	Btu/h	27,300	38,200	38,200
		kW	8.0(3.5-10.2)	11.2(4.5-14.0)	11.2(4.5-14.0)
	Total input	kW	1.90	2.79	2.43
	COP		4.21	4.01	4.61
	Energy label class		A	–	A
	Booster heater	kW	–	–	–
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	25	32	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	14-16-18-21	20-23-26-30	
		CFM	495-565-635-740	710-810-920-1060	
	External pressure	Pa	0	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	28-30-32-34	32-34-37-40	
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4		
	Dimension Unit (Panel)	W : mm	840 (950)		
		D : mm	840 (950)		
		H : mm	258 (35)	298 (35)	
		W : inch	33-1/16 (37-3/8)		
		D : inch	33-1/16 (37-3/8)		
		H : inch	10-3/16 (1-3/8)	11-3/4 (1-3/8)	
	Weight Unit (Panel)	kg	23(6)	25(6)	26(6)
		lbs	51(13)	55(13)	57(13)
	Field drain pipe O.D.	mm	32		
		inch	1-1/4		
Outdoor unit	Air flow	CMM	60	110	
		CFM	2,120	3,880	
	Sound level at cooling	dB(A)	47	49	
	Sound level at heating	dB(A)	48	51	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950	1,050	
		D : mm	330+30		
		H : mm	943	1,338	
		W : inch	37-3/8	41-5/16	
		D : inch	13 + 1-3/16		
		H : inch	37-1/8	52-11/16	
	Weight	kg	67	116	
		lbs	148	256	
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 50	Max. 75	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PLA-RP125BA	PLA-RP125BA2	PLA-RP140BA2
	Outdoor unit		PUHZ-RP125VKA	PUHZ-RP125VKA	PUHZ-RP140VKA
Cooling	Capacity	Btu/h	42,700	42,700	47,800
		kW	12.5(5.5-14.0)	12.5(5.5-14.0)	14.0(6.2-15.3)
	Total input	kW	3.83	3.67	4.36
	EER		3.26	3.41	3.21
	Energy label class		–	A	A
	SHF		0.71	0.71	0.71
Heating	Capacity	Btu/h	47,800	47,800	54,600
		kW	14.0(5.0-16.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	3.86	3.50	4.32
	COP		3.63	4.00	3.70
	Energy label class		–	A	A
	Booster heater	kW	–	–	–
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	22-25-28-31	22-25-28-31	24-26-29-32
		CFM	780-880-990-1090	780-880-990-1090	850-920-1020-1130
	External pressure	Pa	0	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	34-36-39-41	34-36-39-41	36-39-42-44
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4		
	Dimension Unit (Panel)	W : mm	840 (950)		
		D : mm	840 (950)		
		H : mm	298 (35)		
		W : inch	33-1/16 (37-3/8)		
		D : inch	33-1/16 (37-3/8)		
		H : inch	11-3/4 (1-3/8)		
	Weight Unit (Panel)	kg	25(6)	27(6)	27(6)
		lbs	55(13)	60(13)	60(13)
	Field drain pipe O.D.	mm	32		
		inch	1-1/4		
Outdoor unit	Air flow	CMM	120		
		CFM	4,230		
	Sound level at cooling	dB(A)	50		
	Sound level at heating	dB(A)	52		
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	116		119
		lbs	256		262
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46℃
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5℃ ※
Heating	Upper limit	D.B. 28°C	D.B. 21℃, W.B. 15℃
	Lower limit	D.B. 17°C	D.B. -20℃, W.B. -20℃

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PLA-RP100BA	PLA-RP100BA3
	Outdoor unit		PUHZ-RP100YKA	PUHZ-RP100YKA
Cooling	Capacity	Btu/h	34,100	34,100
		kW	10.0(4.9-11.4)	10.0(4.9-11.4)
	Total input	kW	2.65	2.39
	EER		3.77	4.18
	Energy label class		–	A
	SHF		0.74	0.74
Heating	Capacity	Btu/h	38,200	38,200
		kW	11.2(4.5-14.0)	11.2(4.5-14.0)
	Total input	kW	2.79	2.43
	COP		4.01	4.61
	Energy label class		–	A
	Booster heater	kW	–	–
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	16	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	20-23-26-30	20-23-26-30
		CFM	710-810-920-1,060	710-810-920-1,060
	External pressure	Pa	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	32-34-37-40	32-34-37-40
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4	
	Dimension Unit (Panel)	W : mm	840 (950)	
		D : mm	840 (950)	
		H : mm	298 (35)	
		W : inch	33-1/16 (37-3/8)	
		D : inch	33-1/16 (37-3/8)	
		H : inch	11-3/4 (1-3/8)	
	Weight	kg	25 (6)	26 (6)
	Unit (Panel)	lbs	55 (13)	57 (13)
	Field drain pipe O.D.	mm	32	
		inch	1-1/4	
Outdoor unit	Air flow	CMM	110	
		CFM	3,880	
	Sound level at cooling	dB(A)	49	
	Sound level at heating	dB(A)	51	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	1,050	
		D : mm	330+30	
		H : mm	1,338	
		W : inch	41-5/16	
		D : inch	13 + 1-3/16	
		H : inch	52-11/16	
	Weight	kg	124	
		lbs	273	
Refrigerant pipe size	Gas side O.D.	mm	15.88	
		inch	5/8	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 75	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
Indoor unit 198~264V, 50Hz
Outdoor unit 342~457V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PLA-RP125BA	PLA-RP125BA2	PLA-RP140BA2
	Outdoor unit		PUHZ-RP125YKA	PUHZ-RP125YKA	PUHZ-RP140YKA
Cooling	Capacity	Btu/h	42,700	42,700	47,800
		kW	12.5(5.5-14.0)	12.5(5.5-14.0)	14.0(6.2-15.3)
	Total input	kW	3.83	3.67	4.36
	EER		3.26	3.41	3.21
	Energy label class		–	A	A
	SHF		0.71	0.71	0.71
Heating	Capacity	Btu/h	47,800	47,800	54,600
		kW	14.0(5.0-16.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	3.86	3.50	4.32
	COP		3.63	4.00	3.70
	Energy label class		–	A	A
	Booster heater	kW	–	–	–
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	22-25-28-31	22-25-28-31	24-26-29-32
		CFM	780-880-990-1090	780-880-990-1090	850-920-1020-1130
	External pressure	Pa	0	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	34-36-39-41	34-36-39-41	36-39-42-44
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4		
	Dimension Unit (Panel)	W : mm	840 (950)		
		D : mm	840 (950)		
		H : mm	298 (35)		
		W : inch	33-1/16 (37-3/8)		
		D : inch	33-1/16 (37-3/8)		
		H : inch	11-3/4 (1-3/8)		
	Weight Unit (Panel)	kg	25(6)	27(6)	27(6)
		lbs	55(13)	60(13)	60(13)
	Field drain pipe O.D.	mm	32		
		inch	1-1/4		
Outdoor unit	Air flow	CMM	120		
		CFM	4,230		
	Sound level at cooling	dB(A)	50		
	Sound level at heating	dB(A)	52		
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	126		132
		lbs	278		291
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)

Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)

Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
   Indoor unit 198~264V, 50Hz
   Outdoor unit 342~457V, 50Hz
4. Above data are based on the indicated voltage.
   Indoor unit Single phase 230V 50Hz
   Outdoor unit 3 phase 400V 50Hz

※ If optional air protect guide installed. D.B.-15℃

2-2. CEILING-CONCEALED TYPE

Model name	Indoor unit		PEAD-RP35JA(L)	PEAD-RP50JA(L)
	Outdoor unit		PUHZ-RP35VHA4	PUHZ-RP50VHA4
Cooling	Capacity	Btu/h	12,300	17,100
		kW	3.6(1.6-4.5)	5.0(2.3-5.6)
	Total input	kW	1.02(1.00)	1.55(1.53)
	EER		3.53(3.60)	3.23(3.27)
	Energy label class		A	A
	SHF		0.85	0.84
Heating	Capacity	Btu/h	14,000	20,500
		kW	4.1(1.6-5.2)	6.0(2.5-7.3)
	Total input	kW	1.10	1.56
	COP		3.73	3.85
	Energy label class		A	A
	Booster heater	kW	-	-
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow	CMM	10-12-14	12-14.5-17
	(Low-Middle-High)	CFM	353-424-494	424-512-600
	External pressure	Pa	35/50/70/100/150	
	Sound level	dB(A)	23-27-30	26-31-35
	(Low-Middle-High/ 50Pa)			
	External finish		Galvanized sheets	
	Dimension	W : mm	900	
		D : mm	732	
		H : mm	250	
		W : inch	35-7/16	
		D : inch	28-7/8	
		H : inch	9-7/8	
	Weight	kg	26(25)	28(27)
		lbs	58(56)	62(60)
	Field drain pipe O.D.	mm	32	
		inch	1-1/4	
Outdoor unit	Air flow	CMM	35	
		CFM	1,240	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	800	
		D : mm	300+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	11-13/16 + 7/8	
		H : inch	23-5/8	
	Weight	kg	42	
		lbs	93	
Refrigerant pipe size	Gas side O.D.	mm	12.7	
		inch	1/2	
	Liquid side O.D.	mm	6.35	
		inch	1/4	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PEAD-RP60JA(L)	PEAD-RP71JA(L)
	Outdoor unit		PUHZ-RP60VHA4	PUHZ-RP71VHA4
Cooling	Capacity	Btu/h	20,500	24,200
		kW	6.0(2.7-6.7)	7.1(3.3-8.1)
	Total input	kW	1.60(1.58)	2.03(2.01)
	EER		3.75(3.80)	3.50(3.53)
	Energy label class		A	A
	SHF		0.83	0.83
Heating	Capacity	Btu/h	23,900	27,300
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)
	Total input	kW	1.75	2.00
	COP		4.00	4.00
	Energy label class		A	A
	Booster heater	kW	-	-
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	25	
Indoor unit	Air flow	CMM	14.5-18-21	17.5-21-25
	(Low-Middle-High)	CFM	512-636-742	618-742-883
	External pressure	Pa	35/50/70/100/150	
	Sound level (Low-Middle-High/ 50Pa)	dB(A)	25-29-33	26-30-34
	External finish		Galvanized sheets	
	Dimension	W : mm	1,100	
		D : mm	732	
		H : mm	250	
		W : inch	43-5/16	
		D : inch	28-7/8	
		H : inch	9-7/8	
	Weight	kg	33(32)	33(32)
		lbs	73(71)	73(71)
	Field drain pipe O.D.	mm	32	
		inch	1-1/4	
Outdoor unit	Air flow	CMM	60	60
		CFM	2,120	2,120
	Sound level at cooling	dB(A)	47	47
	Sound level at heating	dB(A)	48	48
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	950	950
		D : mm	330+30	330+30
		H : mm	943	943
		W : inch	37-3/8	37-3/8
		D : inch	13 + 1-3/16	13 + 1-3/16
		H : inch	37-1/8	37-1/8
	Weight	kg	67	
		lbs	148	
Refrigerant pipe size	Gas side O.D.	mm	15.88	15.88
		inch	5/8	5/8
	Liquid side O.D.	mm	9.52	9.52
		inch	3/8	3/8
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30
	Length	m	Max. 50	Max. 50

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PEAD-RP100JA(L)	PEAD-RP125JA(L)	PEAD-RP140JA(L)
	Outdoor unit		PUHZ-RP100VKA	PUHZ-RP125VKA	PUHZ-RP140VKA
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(6.2-15.3)
	Total input	kW	2.77(2.75)	3.86(3.84)	4.36(4.34)
	EER		3.61(3.64)	3.24(3.26)	3.21(3.23)
	Energy label class		A	A	A
	SHF		0.82	0.84	0.83
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	2.72	3.50	4.04
	COP		4.12	4.00	3.96
	Energy label class		A	A	A
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
Indoor unit	Air flow	CMM	24-29-34	29.5-35.5-42	32-39-46
	(Low-Middle-High)	CFM	847-1,024-1,201	1,042-1,253-1,483	1,130-1,377-1,624
	External pressure	Pa	35/50/70/100/150		
	Sound level (Low-Middle-High/50Pa)	dB(A)	29-34-38	33-36-40	34-38-43
	External finish		Galvanized sheets		
	Dimension	W : mm	1,400		1,600
		D : mm	732		
		H : mm	250		
		W : inch	55-1/8		63
		D : inch	28-7/8		
		H : inch	9-7/8		
	Weight	kg	41(40)	43(42)	47(46)
		lbs	91(89)	95(93)	104(102)
	Field drain pipe O.D.	mm	32		
		inch	1-1/4		
Outdoor unit	Air flow	CMM	110	120	
		CFM	3,880	4,230	
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	116	116	119
		lbs	256	256	262
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46℃
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5℃ ※
Heating	Upper limit	D.B. 28°C	D.B. 21℃, W.B. 15℃
	Lower limit	D.B. 17°C	D.B. -20℃, W.B. -20℃

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PEAD-RP100JA(L)	PEAD-RP125JA(L)	PEAD-RP140JA(L)
	Outdoor unit		PUHZ-RP100YKA	PUHZ-RP125YKA	PUHZ-RP140YKA
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(6.2-15.3)
	Total input	kW	2.77(2.75)	3.86(3.84)	4.36(4.34)
	EER		3.61(3.64)	3.24(3.26)	3.21(3.23)
	Energy label class		A	A	A
	SHF		0.82	0.84	0.83
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	2.72	3.50	4.04
	COP		4.12	4.00	3.96
	Energy label class		A	A	A
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow	CMM	24-29-34	29.5-35.5-42	32-39-46
	(Low-Middle-High)	CFM	847-1,024-1,201	1,042-1,253-1,483	1,130-1,377-1,624
	External pressure	Pa	35/50/70/100/150		
	Sound level (Low-Middle-High/50Pa)	dB(A)	29-34-38	33-36-40	34-38-43
	External finish		Galvanized sheets		
	Dimension	W : mm	1,400		1,600
		D : mm	732		
		H : mm	250		
		W : inch	55-1/8		63
		D : inch	28-7/8		
		H : inch	9-7/8		
	Weight	kg	41(40)	43(42)	47(46)
		lbs	91(89)	95(93)	104(102)
	Field drain pipe O.D.	mm	32		
		inch	1-1/4		
Outdoor unit	Air flow	CMM	110	120	
		CFM	3,880	4,230	
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	124	126	132
		lbs	273	278	291
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
Indoor unit 198~264V, 50Hz
Outdoor unit 342~457V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz
※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PEA-RP200GA	PEA-RP250GA
	Outdoor unit		PUHZ-RP200YKA	PUHZ-RP250YKA
Cooling	Capacity	Btu/h	65,000	75,000
		kW	19.0(9.0-22.4)	22.0(11.2-28.0)
	Total input	kW	6.70	8.34
	EER		2.84	2.64
	Energy label class		-	-
	SHF		0.81	0.86
Heating	Capacity	Btu/h	76,400	92,000
		kW	22.4(9.5-25.0)	27.0(12.5-31.5)
	Total input	kW	6.50	8.20
	COP		3.45	3.29
	Energy label class		-	-
	Booster heater	kW	-	-
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	Indoor 15 / Outdoor 32	
Indoor unit	Air flow	CMM	52-65	64-80
	(Low-High)	CFM	1835-2295	2260-2825
	External pressure	Pa	150	
	Sound level (Low-High)	dB(A)	48-51	49-52
	External finish		Galvanized steel	
	Dimension	W : mm	1400	1600
		D : mm	634	
		H : mm	400	
		W : inch	55-1/8	63
		D : inch	25	
		H : inch	15-3/4	
	Weight	kg	70	77
		lbs	155	170
	Unit drain pipe		R1	
Outdoor unit	Air flow	CMM	140	
		CFM	4,940	
	Sound level at cooling	dB(A)	58	
	Sound level at heating	dB(A)	59	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	1,050	
		D : mm	330+30	
		H : mm	1,338	
		W : inch	41-5/16	
		D : inch	13 + 1-3/16	
		H : inch	52-11/16	
	Weight	kg	135	141
		lbs	297	311
Refrigerant pipe size	Gas side O.D.	mm	25.4	
		inch	1	
	Liquid side O.D.	mm	9.52	12.7
		inch	3/8	1/2
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 100	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
342~457V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit 3 phase 400V 50Hz
Outdoor unit 3 phase 400V 50Hz

※1. If optional air protect guide is installed : D.B.-15℃

Model name	Indoor unit		PEA-RP400GA	PEA-RP500GA
	Outdoor unit		PUHZ-RP200YKA×2	PUHZ-RP250YKA×2
Cooling	Capacity	Btu/h	130,000	150,000
		kW	38.0(18.0-44.8)	44.0(22.4-56.0)
	Total input	kW	12.95	17.16
	EER		2.93	2.56
	Energy label class		-	-
	SHF		0.75	0.77
Heating	Capacity	Btu/h	153,000	184,000
		kW	44.8(18.0-50.0)	54.0(25.0-63.0)
	Total input	kW	12.55	16.88
	COP		3.57	3.20
	Energy label class		-	-
	Booster heater	kW	-	-
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	Indoor 15 / Outdoor 32 × 2	
Indoor unit	Air flow	CMM	120	160
	(High)	CFM	4240	5650
	External pressure	Pa	150	
	Sound level (High)	dB(A)	52	53
	External finish		Galvanized steel	
	Dimension	W : mm	1,947	
		D : mm	764	
		H : mm	595	
		W : inch	79-11/16	
		D : inch	30-1/8	
		H : inch	23-7/16	
	Weight	kg	130	133
		lbs	286	293
	Unit drain pipe		R1	
Outdoor unit (Per 1 outdoor unit)	Air flow	CMM	140	
		CFM	4,940	
	Sound level at cooling	dB(A)	58	
	Sound level at heating	dB(A)	59	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	1,050	
		D : mm	330+30	
		H : mm	1,338	
		W : inch	41-5/16	
		D : inch	13 + 1-3/16	
		H : inch	52-11/16	
	Weight	kg	135	141
		lbs	297	311
Refrigerant pipe size	Gas side O.D.	mm	25.4 × 2	
		inch	1 × 2	
	Liquid side O.D.	mm	9.52 × 2	12.7 × 2
		inch	3/8 × 2	1/2 × 2
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 100 (per 1 outdoor unit)	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
342~457V, 50Hz

4. Above data are based on the indicated voltage.
Indoor unit 3 phase 400V 50Hz
Outdoor unit 3 phase 400V 50Hz

※1. If optional air protect guide is installed : D.B.-15℃

2-3. WALL MOUNTED TYPE

Model name	Indoor unit		PKA-RP35HAL	PKA-RP50HAL
	Outdoor unit		PUHZ-RP35VHA4	PUHZ-RP50VHA4
Cooling	Capacity	Btu/h	12,300	15,700
		kW	3.6(1.6-4.5)	4.6(2.3-5.6)
	Total input	kW	0.98	1.43
	EER		3.67	3.22
	Energy label class		A	A
	SHF		0.81	0.72
Heating	Capacity	Btu/h	14,000	17,100
		kW	4.1(1.6-5.2)	5.0(2.5-7.3)
	Total input	kW	1.13	1.38
	COP		3.63	3.62
	Energy label class		A	A
	Booster heater	kW	-	-
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow	CMM	9-10.5-12	
	(Low-Middle-High)	CFM	320-370-425	
	External pressure	Pa	0	
	Sound level (Low-Middle-High)	dB(A)	36-40-43	
	External finish		White Munsell 1.0Y 9.2/0.2	
	Dimension	W : mm	898	
		D : mm	249	
		H : mm	295	
		W : inch	35-3/8	
		D : inch	9-13/16	
		H : inch	11-5/8	
	Weight	kg	13	
		lbs	29	
	Field drain pipe I.D.	mm	16	
		inch	5/8	
Outdoor unit	Air flow	CMM	35	
		CFM	1,240	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	800	
		D : mm	300+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	11-13/16 + 7/8	
		H : inch	23-5/8	
	Weight	kg	42	
		lbs	93	
Refrigerant pipe size	Gas side O.D.	mm	12.7	
		inch	1/2	
	Liquid side O.D.	mm	6.35	
		inch	1/4	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL	PKA-RP100KAL
	Outdoor unit		PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA	PUHZ-RP100YKA
Cooling	Capacity	Btu/h	20,500	24,200	34,100	34,100
		kW	6.0(2.7-6.7)	7.1(3.3-8.1)	10.0(4.9-11.4)	10.0(4.9-11.4)
	Total input	kW	1.54	1.96	2.90	2.90
	EER		3.90	3.62	3.45	3.45
	Energy label class		A	A	A	A
	SHF		0.86	0.78	0.73	0.73
Heating	Capacity	Btu/h	23,900	27,300	38,200	38,200
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)	11.2(4.5-14.0)	11.2(4.5-14.0)
	Total input	kW	1.76	2.13	3.10	3.10
	COP		3.98	3.76	3.61	3.61
	Energy label class		A	A	A	A
	Booster heater	kW	-	-	-	-
Power supply	Phase	ϕ	1			3
	Cycle	Hz	50			50
	Voltage	V	230			400
	Breaker size	A	25	25	32	16
Indoor unit	Air flow	CMM	18-20-22		20-23-26	
	(Low-Middle-High)	CFM	635-705-780		705-810-920	
	External pressure	Pa	0			
	Sound level (Low-Middle-High)	dB(A)	39-42-45		41-45-49	
	External finish		Munsell 1.0Y 9.2/0.2			
	Dimension	W : mm	1,170			
		D : mm	295			
		H : mm	365			
		W : inch	46-1/16			
		D : inch	11-5/8			
		H : inch	14-3/8			
	Weight	kg	21			
		lbs	46			
	Field drain pipe I.D.	mm	16			
		inch	5/8			
Outdoor unit	Air flow	CMM	60		110	
		CFM	2,120		3,880	
	Sound level at cooling	dB(A)	47		49	
	Sound level at heating	dB(A)	48		51	
	External finish		Ivory Munsell 3Y 7.8/1.1			
	Dimension	W : mm	950		1,050	
		D : mm	330+30			
		H : mm	943		1,338	
		W : inch	37-3/8		41-5/16	
		D : inch	13 + 1-3/16			
		H : inch	37-1/8		52-11/16	
	Weight	kg	67		116	124
		lbs	148		256	273
Refrigerant pipe size	Gas side O.D.	mm	15.88			
		inch	5/8			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 30		Max. 30	
	Length	m	Max. 50		Max. 75	

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)

Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)

Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz (RP100Y: 342~457V, 50Hz)

4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit V: Single phase 230V 50Hz
Y: 3phase 400V 50Hz

※ If optional air protect guide installed. D.B.-15℃

2-4. CEILING SUSPENDED TYPE

Model name	Indoor unit		PCA-RP50KA	PCA-RP60KA	PCA-RP71KA
	Outdoor unit		PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4
Cooling	Capacity	Btu/h	17,100	20,500	24,200
		kW	5.0(2.3-5.6)	6.0(2.7-6.7)	7.1(3.3-8.1)
	Total input	kW	1.56	1.50	1.96
	EER		3.21	4.00	3.62
	Energy label class		A	A	A
	SHF		0.79	0.81	0.76
Heating	Capacity	Btu/h	18,800	23,900	27,300
		kW	5.5(2.5-6.6)	7.0(2.8-8.2)	8.0(3.5-10.2)
	Total input	kW	1.52	1.94	2.21
	COP		3.62	3.61	3.62
	Energy label class		A	A	A
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	16	25	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	10-11-13-15	15-16-17-19	16-17-18-20
		CFM	355-390-460-530	530-565-600-670	565-600-635-705
	External pressure	Pa	0		
	Sound level (Low-Medium2-Medium1-High)	dB(A)	32-34-37-40	33-35-37-40	35-37-39-41
	External finish		White Munsell 6.4Y 8.9/0.4		
	Dimension	W : mm	960	1,280	
		D : mm	680		
		H : mm	230		
		W : inch	37-13/16	50-3/8	
		D : inch	26-3/4		
		H : inch	9-1/16		
	Weight	kg	25	32	
		lbs	55	71	
	Field drain pipe O.D.	mm	26		
		inch	1		
Outdoor unit	Air flow	CMM	35	60	
		CFM	1,240	2,120	
	Sound level at cooling	dB(A)	44	47	
	Sound level at heating	dB(A)	46	48	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	800	950	
		D : mm	330+23	330+30	
		H : mm	600	943	
		W : inch	31-1/2	37-3/8	
		D : inch	13 + 7/8	13 + 1-3/16	
		H : inch	23-5/8	37-1/8	
	Weight	kg	42	67	
		lbs	93	148	
Refrigerant pipe size	Gas side O.D.	mm	12.7	15.88	
		inch	1/2	5/8	
	Liquid side O.D.	mm	6.35	9.52	
		inch	1/4	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	
	Length	m	Max. 50	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C ※2

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※1. If optional air protect guide installed. D.B.-15°C
※2. For RP60/71 D.B. -20°C, W.B. -20°C

Model name	Indoor unit		PCA-RP100KA	PCA-RP125KA	PCA-RP140KA
	Outdoor unit		PUHZ-RP100VKA	PUHZ-RP125VKA	PUHZ-RP140VKA
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(6.2-15.3)
	Total input	kW	2.63	3.88	4.36
	EER		3.80	3.22	3.21
	Energy label class		A	A	A
	SHF		0.77	0.72	0.71
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	3.02	3.88	4.43
	COP		3.71	3.61	3.61
	Energy label class		A	A	A
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
Indoor unit	Air flow	CMM	22-24-26-28	23-25-27-29	24-26-29-32
	(Low-Medium2-Medium1-High)	CFM	775-850-920-990	810-885-955-1,025	850-920-1,025-1,130
	External pressure	Pa	0		
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-39-41-43	39-41-43-45	41-43-45-48
	External finish		White Munsell 6.4Y 8.9/0.4		
	Dimension	W : mm	1,600		
		D : mm	680		
		H : mm	230		
		W : inch	63		
		D : inch	26-3/4		
		H : inch	9-1/16		
	Weight	kg	36	38	39
		lbs	79	84	86
	Field drain pipe O.D.	mm	26		
		inch	1		
Outdoor unit	Air flow	CMM	110	120	
		CFM	3,880	4,230	
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	116		119
		lbs	256		262
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)

Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)

Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46℃
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5℃ ※
Heating	Upper limit	D.B. 28°C	D.B. 21℃, W.B. 15℃
	Lower limit	D.B. 17°C	D.B. -20℃, W.B. -20℃

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PCA-RP100KA	PCA-RP125KA	PCA-RP140KA
	Outdoor unit		PUHZ-RP100YKA	PUHZ-RP125YKA	PUHZ-RP140YKA
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(6.2-15.3)
	Total input	kW	2.63	3.88	4.36
	EER		3.80	3.22	3.21
	Energy label class		A	A	A
	SHF		0.77	0.72	0.71
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	3.02	3.88	4.43
	COP		3.71	3.61	3.61
	Energy label class		A	A	A
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow	CMM	22-24-26-28	23-25-27-29	24-26-29-32
	(Low-Medium2-Medium1-High)	CFM	775-850-920-990	810-885-955-1,025	850-920-1,025-1,130
	External pressure	Pa	0		
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-39-41-43	39-41-43-45	41-43-45-48
	External finish		White Munsell 6.4Y 8.9/0.4		
	Dimension	W : mm	1,600		
		D : mm	680		
		H : mm	230		
		W : inch	63		
		D : inch	26-3/4		
		H : inch	9-1/16		
	Weight	kg	36	38	39
		lbs	79	84	86
	Field drain pipe O.D.	mm	26		
		inch	1		
Outdoor unit	Air flow	CMM	110	120	
		CFM	3,880	4,230	
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	124	126	132
		lbs	273	278	291
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
Indoor unit 198~264V, 50Hz
Outdoor unit 342~457V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz
※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PCA-RP71HA	PCA-RP125HA	PCA-RP125HA
	Outdoor unit		PUHZ-RP71VHA4	PUHZ-RP125VKA	PUHZ-RP125YKA
Cooling	Capacity	Btu/h	24,200	42,700	42,700
		kW	7.1(3.3-8.1)	12.5(5.5-14.0)	12.5(5.5-14.0)
	Total input	kW	2.21	3.88	3.88
	EER		3.21	3.22	3.22
	Energy label class		A	A	A
	SHF		0.74	0.77	0.77
Heating	Capacity	Btu/h	25,900	47,100	47,100
		kW	7.6(3.5-10.2)	13.8(5.0-16.0)	13.8(5.0-16.0)
	Total input	kW	2.23	4.05	4.05
	COP		3.41	3.41	3.41
	Energy label class		B	B	B
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		3
	Cycle	Hz	50		50
	Voltage	V	230		400
	Breaker size	A	25		16
Indoor unit	Air flow	CMM	17-19	30-38	
	(Low-High)	CFM	600-670	1,060-1,350	
	External pressure	Pa	0		
	Sound level (Low-High)	dB(A)	34-38	44-50	
	External finish		Stainless steel		
	Dimension	W : mm	1136	1520	
		D : mm	650		
		H : mm	280		
		W : inch	44-3/4	59-7/8	
		D : inch	25-5/8		
		H : inch	11		
	Weight	kg	41	56	
		lbs	90	124	
	Field drain pipe O.D.	mm	26		
		inch	1		
Outdoor unit	Air flow	CMM	60	120	
		CFM	2,120	4,230	
	Sound level at cooling	dB(A)	47	50	
	Sound level at heating	dB(A)	48	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950	1,050	
		D : mm	330+30	330+30	
		H : mm	943	1,338	
		W : inch	37-3/8	41-5/16	
		D : inch	13 + 1-3/16	13 + 1-3/16	
		H : inch	37-1/8	52-11/16	
	Weight	kg	67	116	126
		lbs	148	256	278
Refrigerant pipe size	Gas side O.D.	mm	15.88	15.88	
		inch	5/8	5/8	
	Liquid side O.D.	mm	9.52	9.52	
		inch	3/8	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	
	Length	m	Max. 50	Max. 75	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz (RP125Y : 342~457V, 50Hz)
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit V: Single phase 230V 50Hz,
Y: 3 phase 400V 50Hz

※ If optional air protect guide installed. D.B.-15℃

2-5. FLOOR STANDING TYPE

Model name	Indoor unit		PSA-RP71GA
	Outdoor unit		PUHZ-RP71VHA4
Cooling	Capacity	Btu/h	24,200
		kW	7.1(3.3-8.1)
	Total input	kW	2.20
	EER		3.23
	Energy label class		A
	SHF		0.73
Heating	Capacity	Btu/h	25,900
		kW	7.6(3.5-10.2)
	Total input	kW	2.23
	COP		3.41
	Energy label class		B
	Booster heater	kW	-
Power supply	Phase	ϕ	1
	Cycle	Hz	50
	Voltage	V	230
	Breaker size	A	25
Indoor unit	Air flow	CMM	15-18
	(Low-High)	CFM	530-635
	External pressure	Pa	0
	Sound level (Low-High)	dB(A)	40-45
	External finish		White Munsell 0.70Y 8.59/0.97
	Dimension	W : mm	600
		D : mm	270
		H : mm	1,900
		W : inch	23-5/8
		D : inch	10-5/8
		H : inch	74-13/16
	Weight	kg	43
		lbs	98
	Field drain pipe I.D.	mm	20
		inch	13/16
Outdoor unit	Air flow	CMM	60
		CFM	2,120
	Sound level at cooling	dB(A)	47
	Sound level at heating	dB(A)	48
	External finish		Ivory Munsell 3Y 7.8/1.1
	Dimension	W : mm	950
		D : mm	330+30
		H : mm	943
		W : inch	37-3/8
		D : inch	13 + 1-3/16
		H : inch	37-1/8
	Weight	kg	67
		lbs	148
Refrigerant pipe size	Gas side O.D.	mm	15.88
		inch	5/8
	Liquid side O.D.	mm	9.52
		inch	3/8
Refrigerant pipe length	Height difference	m	Max. 30
	Length	m	Max. 50

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PSA-RP100GA	PSA-RP125GA	PSA-RP140GA
	Outdoor unit		PUHZ-RP100VKA	PUHZ-RP125VKA	PUHZ-RP140VKA
Cooling	Capacity	Btu/h	34,100	42,300	47,100
		kW	10.0(4.9-11.4)	12.4(5.5-14.0)	13.8(6.2-15.3)
	Total input	kW	2.99	4.12	4.91
	EER		3.34	3.01	2.81
	Energy label class		A	B	C
	SHF		0.81	0.75	0.74
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	3.28	4.11	4.97
	COP		3.41	3.41	3.22
	Energy label class		B	B	C
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
Indoor unit	Air flow	CMM	24-31	26-33	27-35
	(Low-High)	CFM	850-1060	920-1165	955-1240
	External pressure	Pa	0		
	Sound level (Low-High)	dB(A)	44-49	46-51	47-52
	External finish		White Munsell 0.70Y 8.59/0.97		
	Dimension	W : mm	600		
		D : mm	350		
		H : mm	1,900		
		W : inch	23-5/8		
		D : inch	13-3/4		
		H : inch	74-13/16		
	Weight	kg	51		53
		lbs	112		117
	Field drain pipe I.D.	mm	20		
		inch	13/16		
Outdoor unit	Air flow	CMM	110	120	
		CFM	3,880	4,230	
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	116		119
		lbs	256		262
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)

Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)

Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46℃
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5℃ ※
Heating	Upper limit	D.B. 28°C	D.B. 21℃, W.B. 15℃
	Lower limit	D.B. 17°C	D.B. -20℃, W.B. -20℃

3. Guaranteed voltage
198~264V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

※ If optional air protect guide installed. D.B.-15℃

Model name	Indoor unit		PSA-RP100GA	PSA-RP125GA	PSA-RP140GA
	Outdoor unit		PUHZ-RP100YKA	PUHZ-RP125YKA	PUHZ-RP140YKA
Cooling	Capacity	Btu/h	34,100	42,300	47,100
		kW	10.0(4.9-11.4)	12.4(5.5-14.0)	13.8(6.2-15.3)
	Total input	kW	2.99	4.12	4.91
	EER		3.34	3.01	2.81
	Energy label class		A	B	C
	SHF		0.81	0.75	0.74
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.7-18.0)
	Total input	kW	3.28	4.11	4.97
	COP		3.41	3.41	3.22
	Energy label class		B	B	C
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow	CMM	24-31	26-33	27-35
	(Low-High)	CFM	850-1,060	920-1,165	955-1,240
	External pressure	Pa	0		
	Sound level (Low-High)	dB(A)	44-49	46-51	47-52
	External finish		White Munsell 0.70Y 8.59/0.97		
	Dimension	W : mm	600		
		D : mm	350		
		H : mm	1,900		
		W : inch	23-5/8		
		D : inch	13-3/4		
		H : inch	74-13/16		
	Weight	kg	51	51	53
		lbs	112	112	117
	Field drain pipe I.D.	mm	20		
		inch	13/16		
Outdoor unit	Air flow	CMM	110	120	
		CFM	3,880	4,230	
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	1,050		
		D : mm	330+30		
		H : mm	1,338		
		W : inch	41-5/16		
		D : inch	13 + 1-3/16		
		H : inch	52-11/16		
	Weight	kg	124	126	132
		lbs	273	278	291
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80°F) W.B. 19℃ (66°F) Outdoor : D.B. 35℃ (95°F) W.B. 24℃ (75°F)
Heating Indoor : D.B. 20℃ (68°F) Outdoor : D.B. 7℃ (45°F) W.B. 6℃ (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
Indoor unit 198~264V, 50Hz
Outdoor unit 342~457V, 50Hz
4. Above data are based on the indicated voltage.
Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz

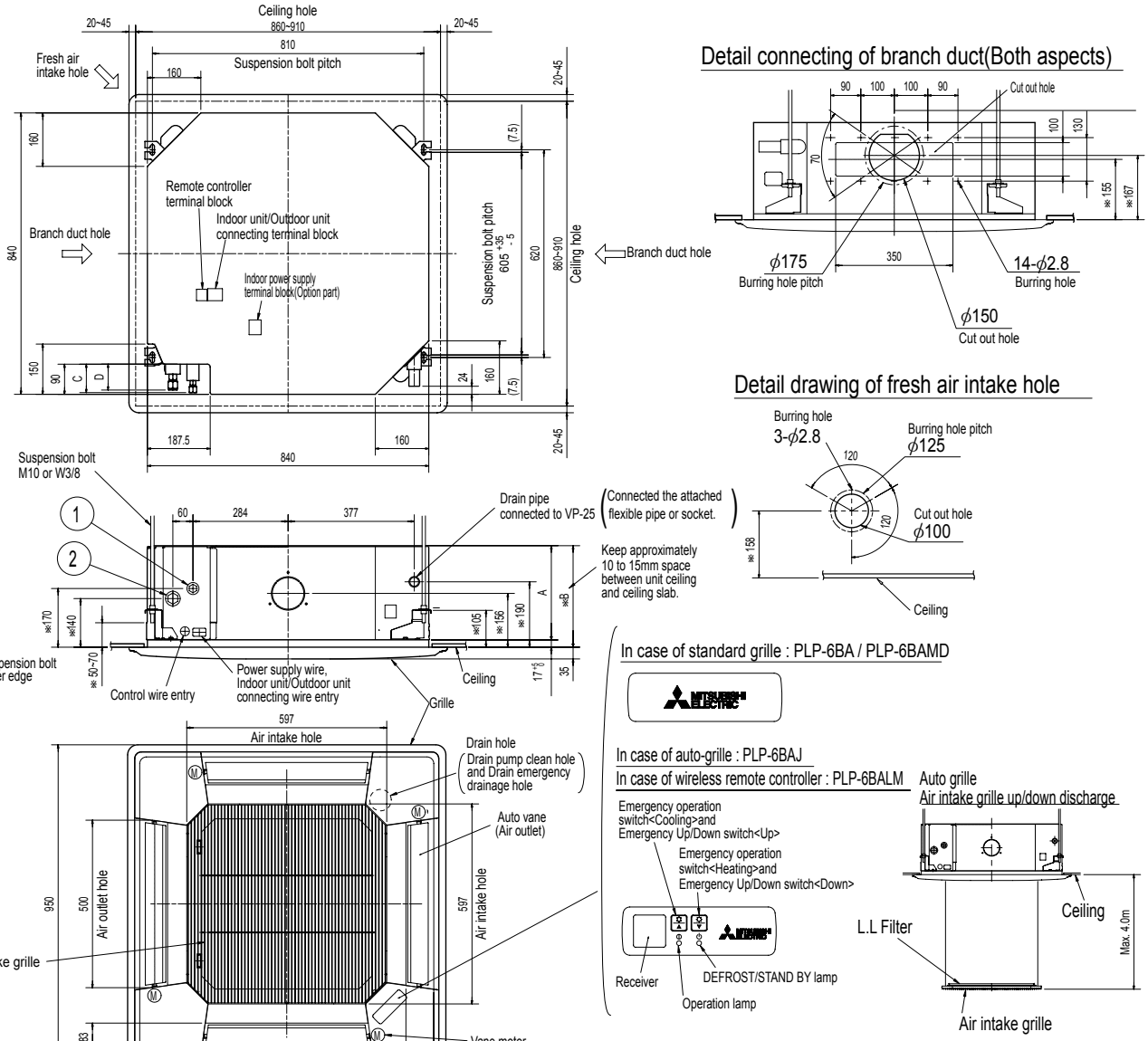
※ If optional air protect guide installed. D.B.-15℃

3 OUTLINES AND DIMENSIONS

INDOOR UNIT

Unit : mm

PLA-RP35BA PLA-RP50BA PLA-RP60BA PLA-RP71BA
PLA-RP100BA PLA-RP125BA
PLA-RP71BA2 PLA-RP100BA3 PLA-RP125BA2 PLA-RP140BA2

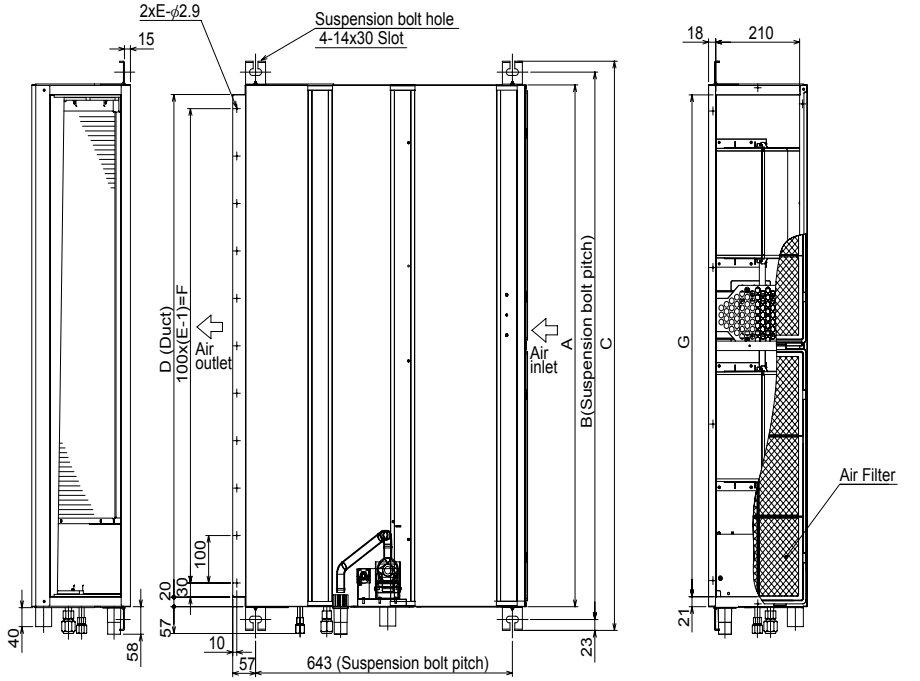


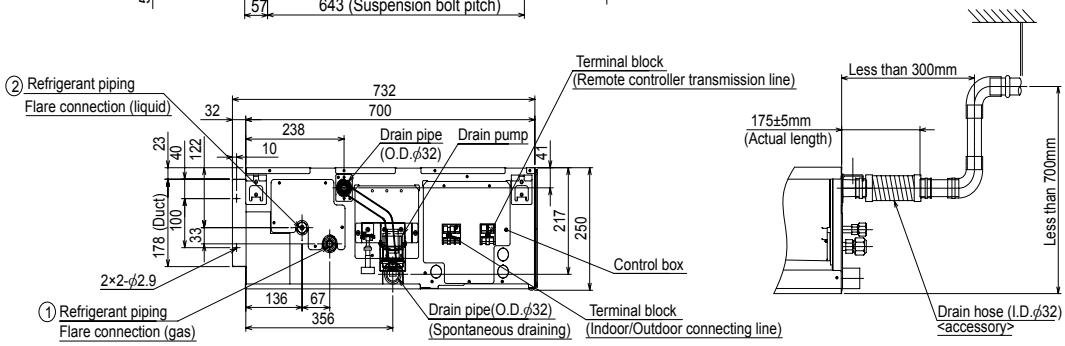
Note 1. Please choose the grille from a standard grille, auto-grille.
2. As for drain pipe, please use VP-25(O.D. ϕ32 PVC TUBE).
Drain pump is included.
Max. lifting height is 850mm from the ceiling.
3. As for suspension bolt, please use M10 or W3/8.
(Procured at local site)
4. Electrical box may be removed for the service purpose.
Make sure to slack the electrical wire little bit for control/ power wires connection.
5. The height of the indoor unit is able to be adjusted with the grille attached.
6. For the installation of the optional high efficiency filter or optional multi-functional casement.
1) Requires E or more space between transom and ceiling for the installation.
2) Add 135 mm to the dimensions ※ marked on the figure.
3) The optional high efficiency filter must be used jointly with optional multi-functional casement.
7. When installing the branch ducts, be sure to insulate adequately.
Otherwise condensation and dripping may occur.
(It becomes the cause of dew drops/water dew.)
8. As for necessary installation/service space, please refer to the left figure.

Models	①	②	A	B	C	D	E
PLA-RP35/50BA	Refrigerant pipe ···ϕ6.35 Flared connection ···1/4 inch	Refrigerant pipe ···ϕ12.7 Flared connection ···1/2 inch	241	258	80	74	400
PLA-RP60BA	Refrigerant pipe ϕ6.35 / ϕ9.52 Flared connection 1/4 inch/3/8 inch (compatible)	Refrigerant pipe ···ϕ15.88 Flared connection ···5/8 inch			87		
PLA-RP71BA PLA-RP71BA2	Refrigerant pipe ···ϕ9.52				85	77	440
PLA-RP100,125BA PLA-RP100BA3 PLA-RP125,140BA2	Flared connection ···3/8 inch		281	298			

PEAD-RP35, 50, 60, 71, 100, 125, 140JA

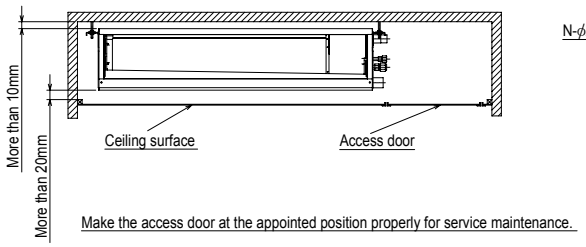
Unit : mm

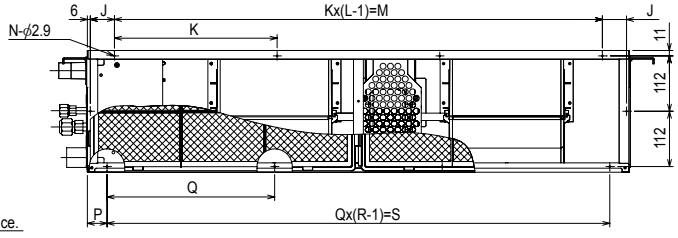




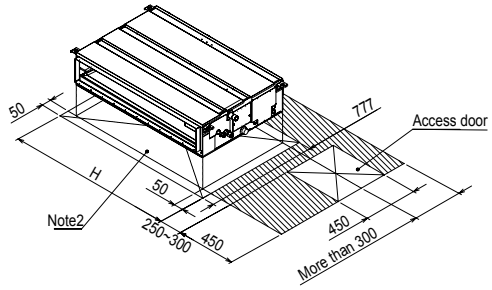
NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-RP60•71•100•125•140JA models,which have 2 fans. PEAD-RP35•50JA models have 1 fan.
4. In case that the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at suction side.

Model	A	B	C	D	E	F	G	①Gas pipe	②Liquid pipe
PEAD-RP35,50JA	900	954	1000	860	9	800	858	φ 12.7	φ 6.35
PEAD-RP60,71JA	1100	1154	1200	1060	11	1000	1058	φ 15.88	φ 9.52
PEAD-RP100,125JA	1400	1454	1500	1360	14	1300	1358		
PEAD-RP140JA	1600	1654	1700	1560	16	1500	1558		


More than 10mm
More than 20mm
Ceiling surface
Access door
Make the access door at the appointed position properly for service maintenance.



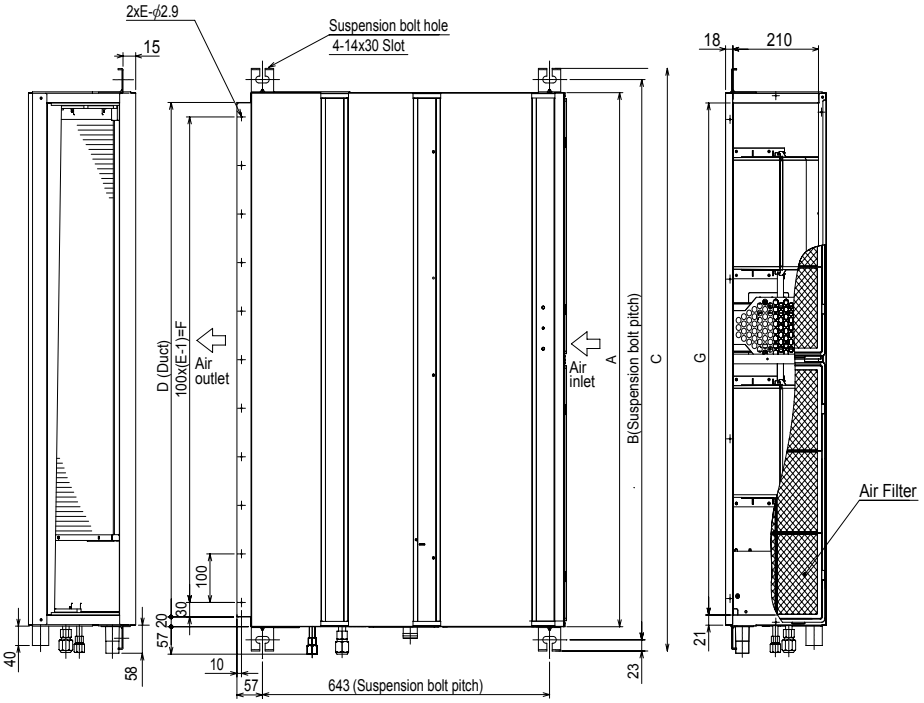
Model	H	J	K	L	M	N	P	Q	R	S
PEAD-RP35,50JA	1000	54	260	4	780	10	40.5	273	4	819
PEAD-RP60,71JA	1200	49	330	4	990	10	40	340	4	1020
PEAD-RP100,125JA	1500	54	320	5	1280	12	40	330	5	1320
PEAD-RP140JA	1700	54	370	5	1480	12	40	380	5	1520

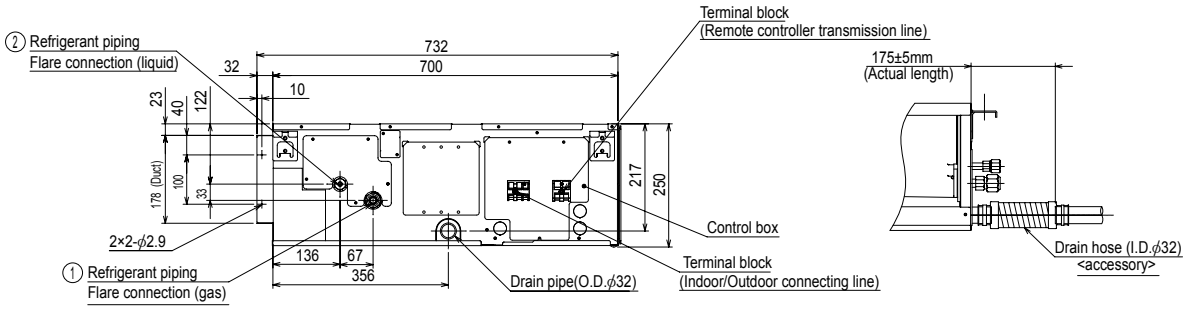


Required space for service and maintenance

PEAD-RP35, 50, 60, 71, 100, 125, 140JAL

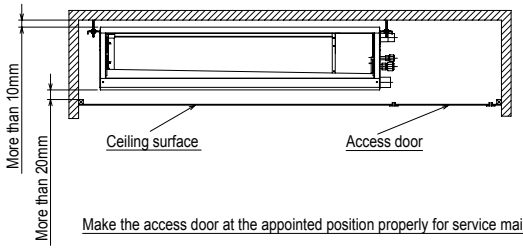
Unit : mm



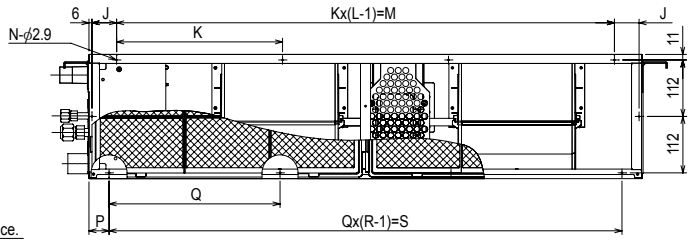


NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-RP60•71•100•125•140JAL models,which have 2 fans. PEAD-RP35•50JAL models have 1 fan.
4. In case of the inlet duct is used,remove the air filter (supplied with the unit), then install the filter (field supply) at suction side.

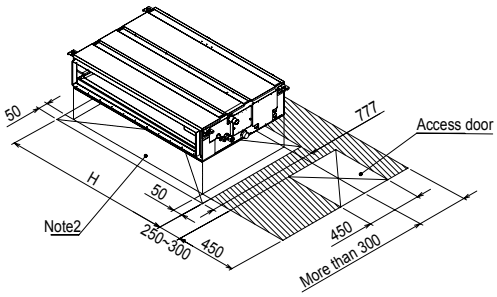
Model	A	B	C	D	E	F	G	①Gas pipe	②Liquid pipe
PEAD-RP35,50JAL	900	954	1000	860	9	800	858	φ 12.7	φ 6.35
PEAD-RP60,71JAL	1100	1154	1200	1060	11	1000	1058	φ 15.88	φ 9.52
PEAD-RP100,125JAL	1400	1454	1500	1360	14	1300	1358		
PEAD-RP140JAL	1600	1654	1700	1560	16	1500	1558		



Make the access door at the appointed position properly for service maintenance.



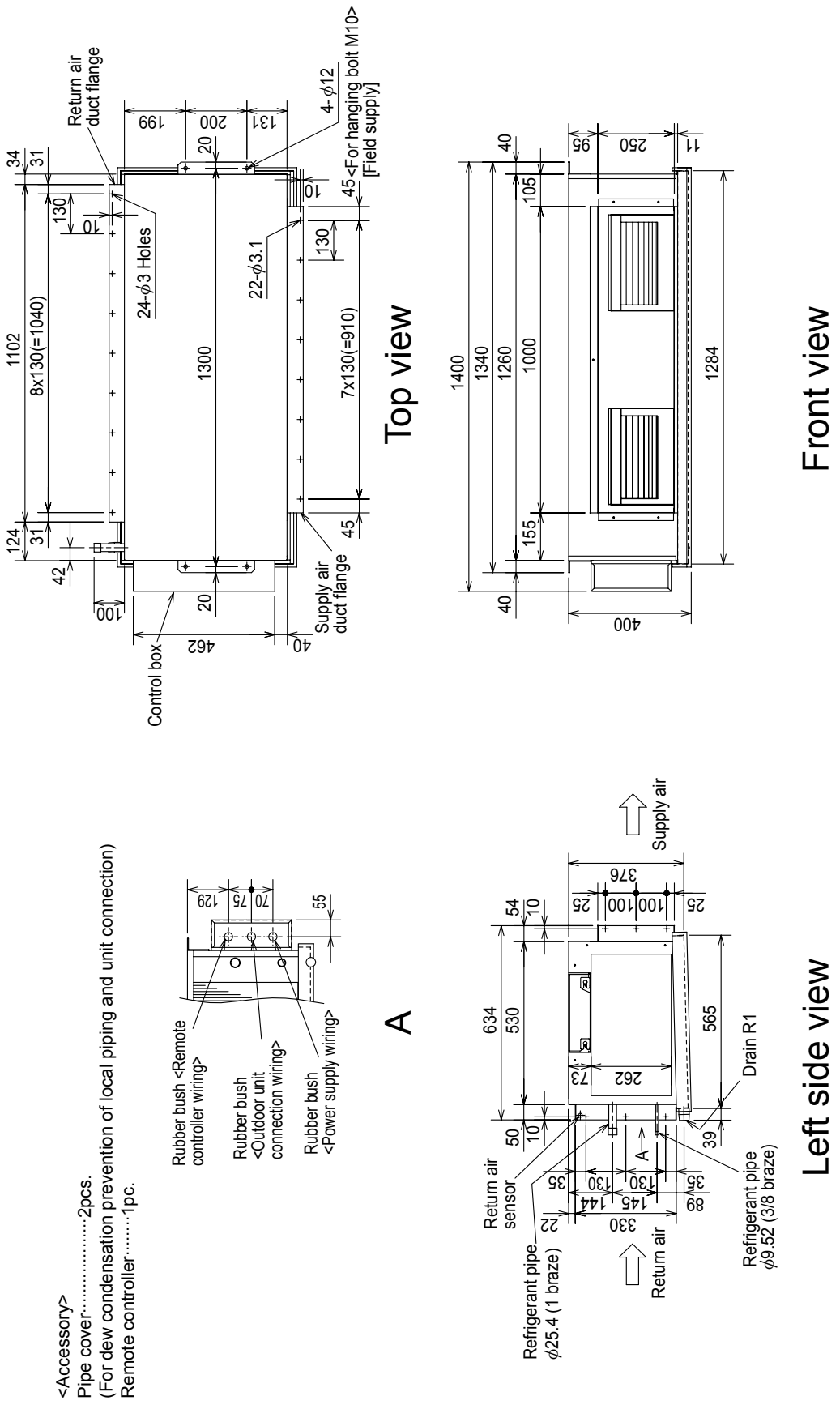
Model	H	J	K	L	M	N	P	Q	R	S
PEAD-RP35,50JAL	1000	54	260	4	780	10	40.5	273	4	819
PEAD-RP60,71JAL	1200	49	330	4	990	10	40	340	4	1020
PEAD-RP100,125JAL	1500	54	320	5	1280	12	40	330	5	1320
PEAD-RP140JAL	1700	54	370	5	1480	12	40	380	5	1520



Required space for service and maintenance

PEA-RP200GA

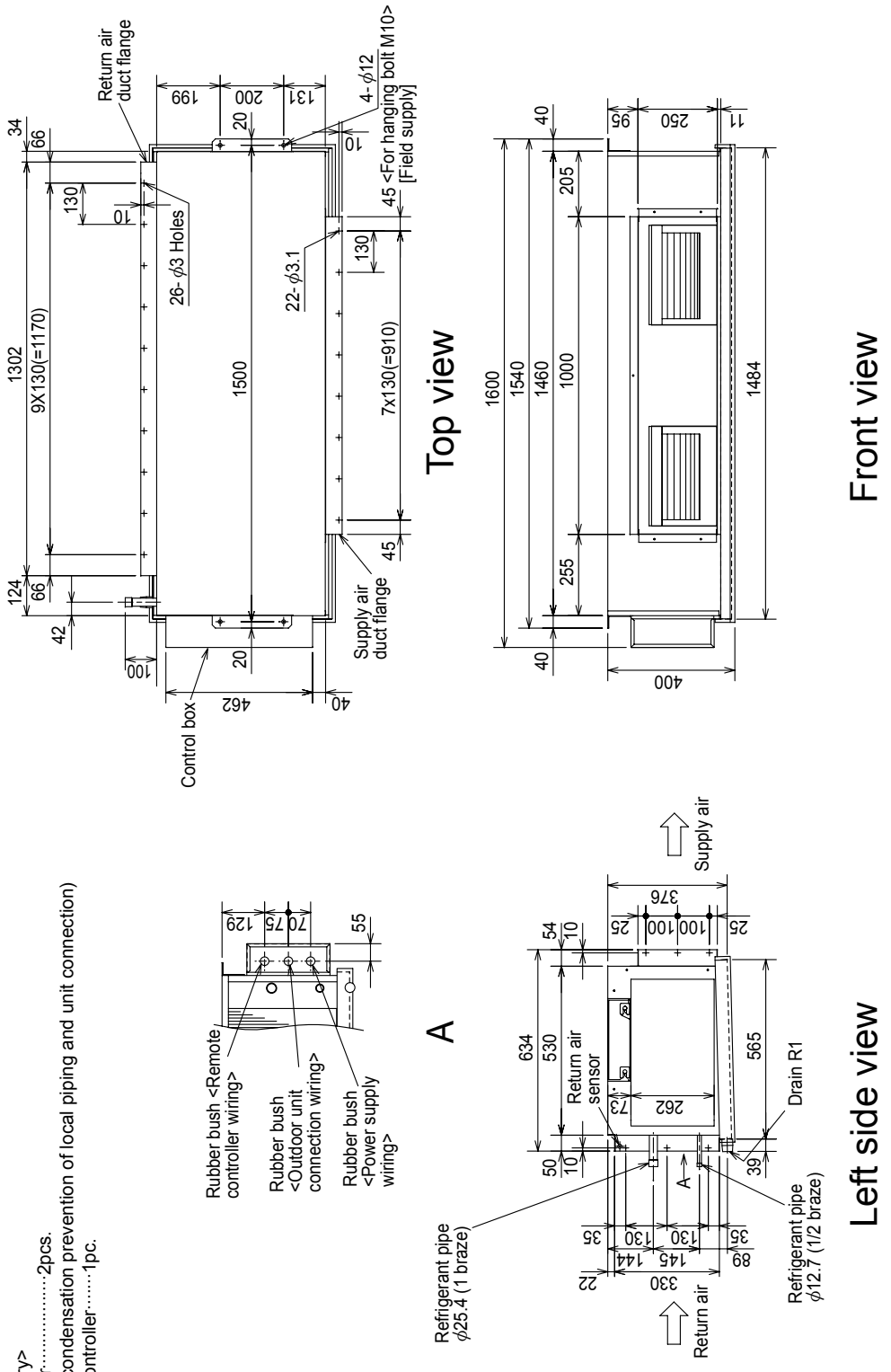
Unit : mm



<Accessory>
Pipe cover·····2pcs.
(For dew condensation prevention of local piping and unit connection)
Remote controller·····1pc.

PEA-RP250GA

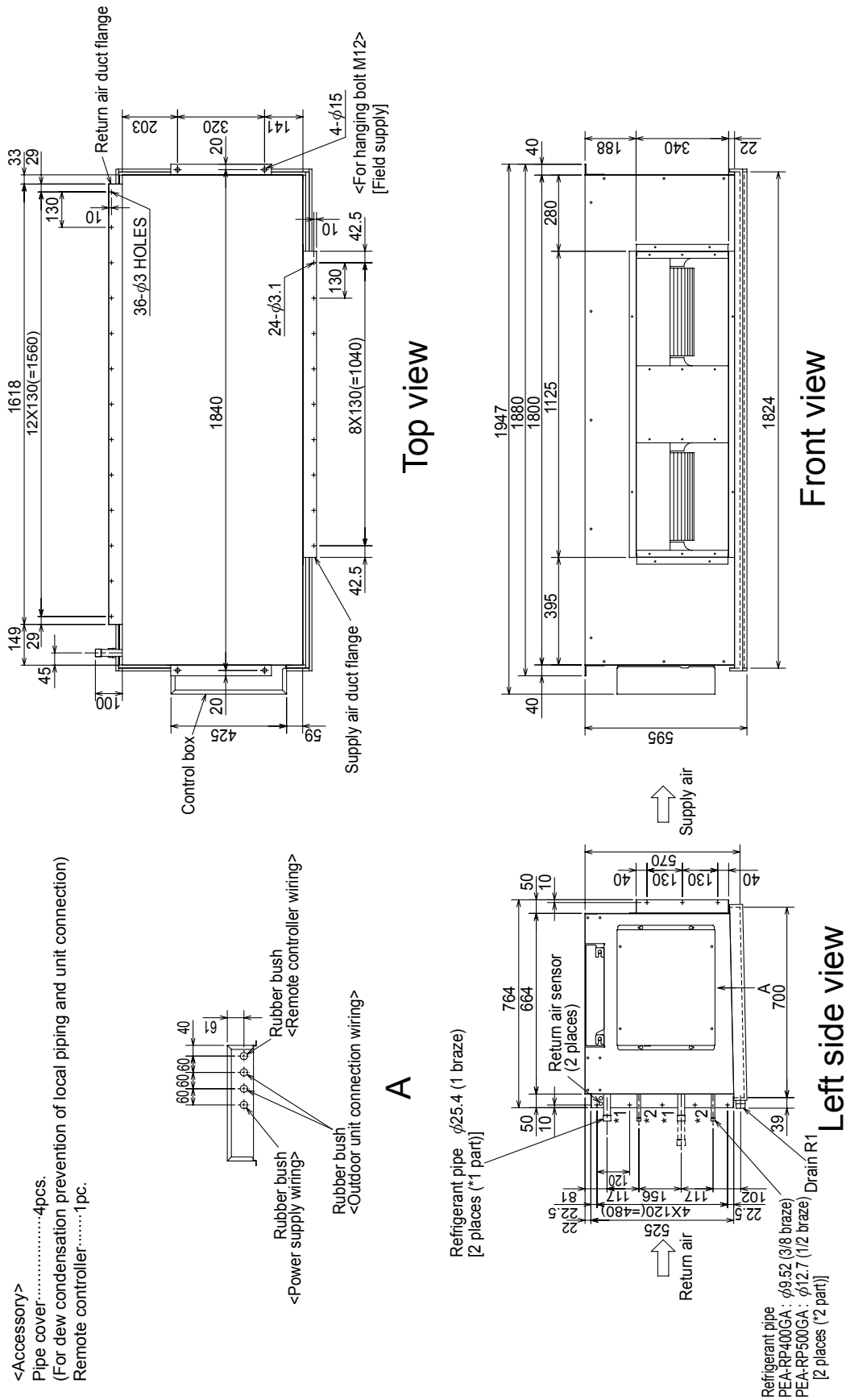
Unit : mm



<Accessory>
Pipe cover·····2pcs.
(For dew condensation prevention of local piping and unit connection)
Remote controller·····1pc.

PEA-RP400, 500GA

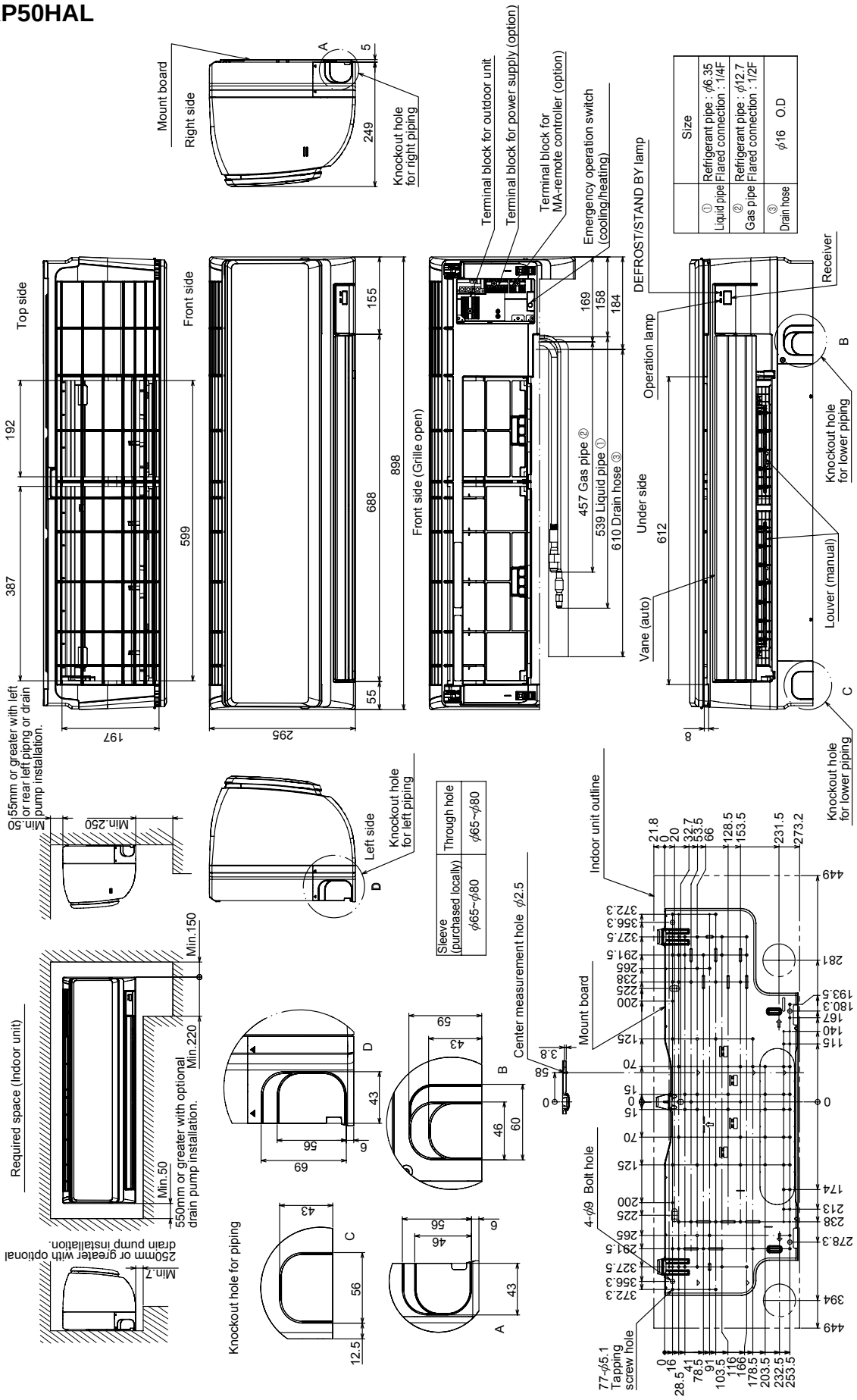
Unit : mm



<Accessory>
Pipe cover·····4pcs.
(For dew condensation prevention of local piping and unit connection)
Remote controller·····1pc.

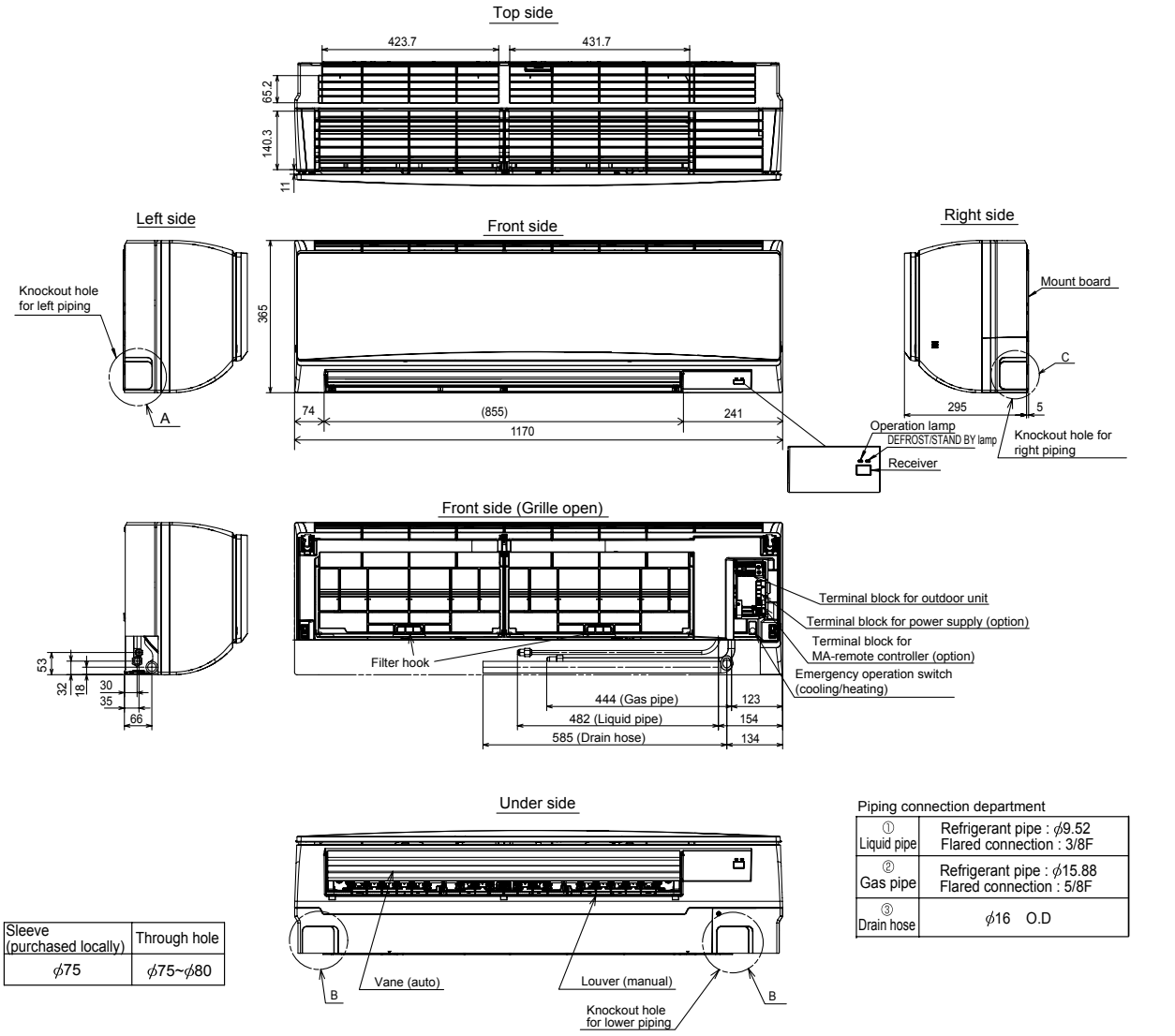
PKA-RP35HAL
PKA-RP50HAL

Unit : mm



PKA-RP60KAL
PKA-RP71KAL
PKA-RP100KAL

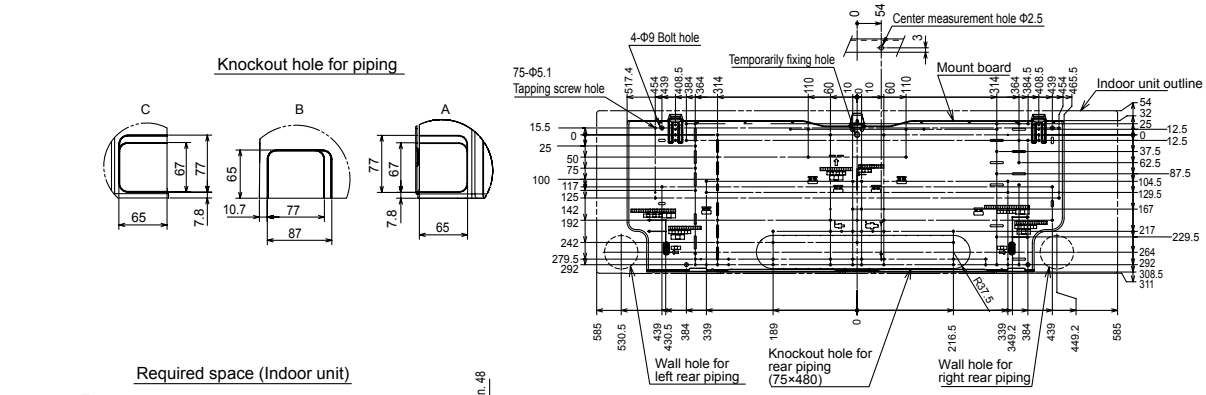
Unit : mm

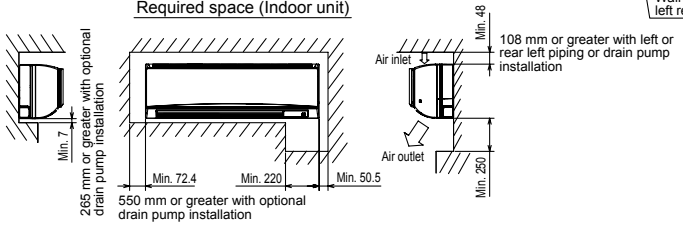


Piping connection department

① Liquid pipe	Refrigerant pipe : ϕ9.52 Flared connection : 3/8F
② Gas pipe	Refrigerant pipe : ϕ15.88 Flared connection : 5/8F
③ Drain hose	ϕ16 O.D

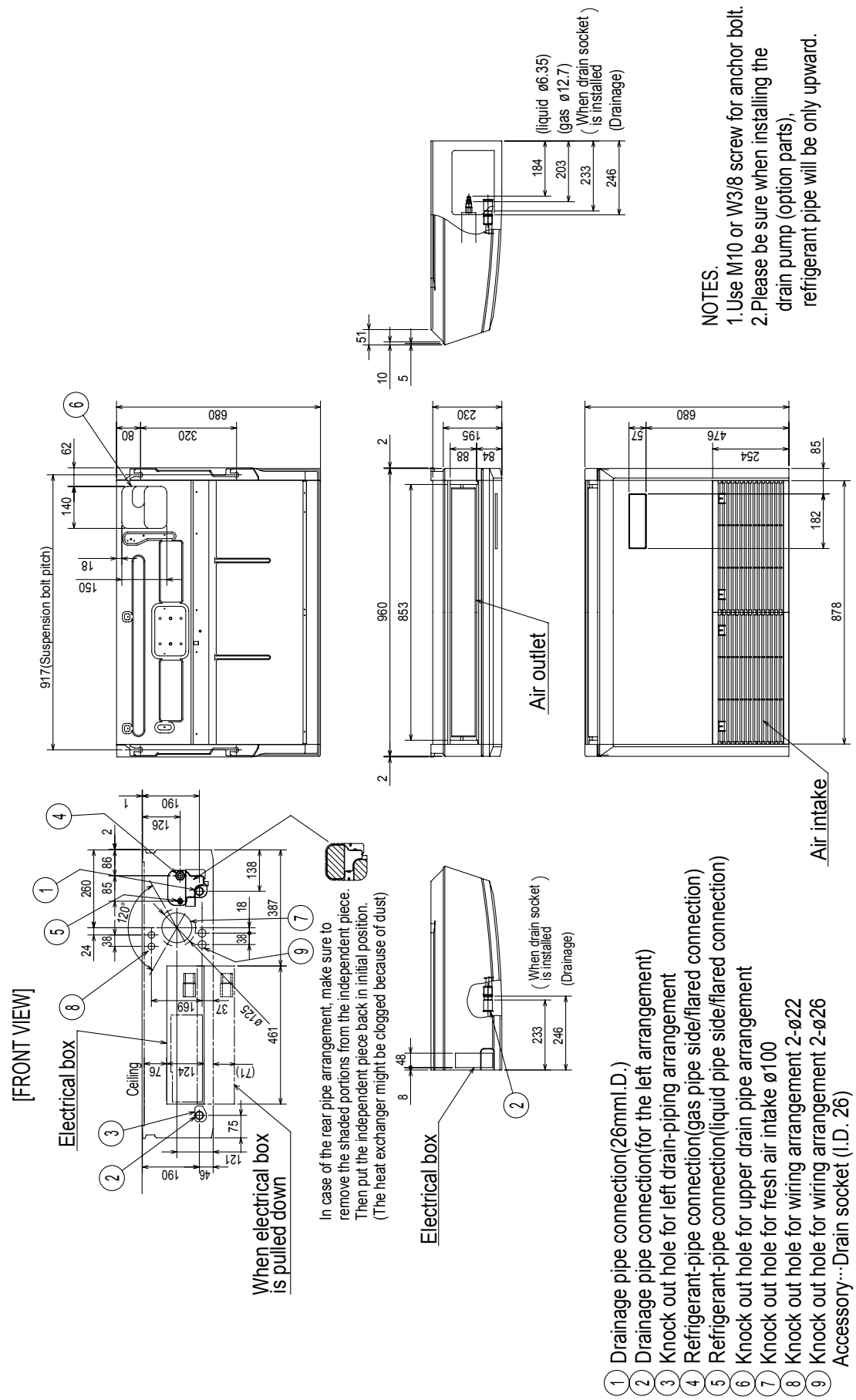
Sleeve (purchased locally)	Through hole
ϕ75	ϕ75~ϕ80




Required space (Indoor unit)
Min. 7
265 mm or greater with optional drain pump installation
Min. 72.4
Min. 220
Min. 50.5
550 mm or greater with optional drain pump installation
Air inlet
Air outlet
Min. 48
108 mm or greater with left or rear left piping or drain pump installation
Min. 250

PCA-RP50KA

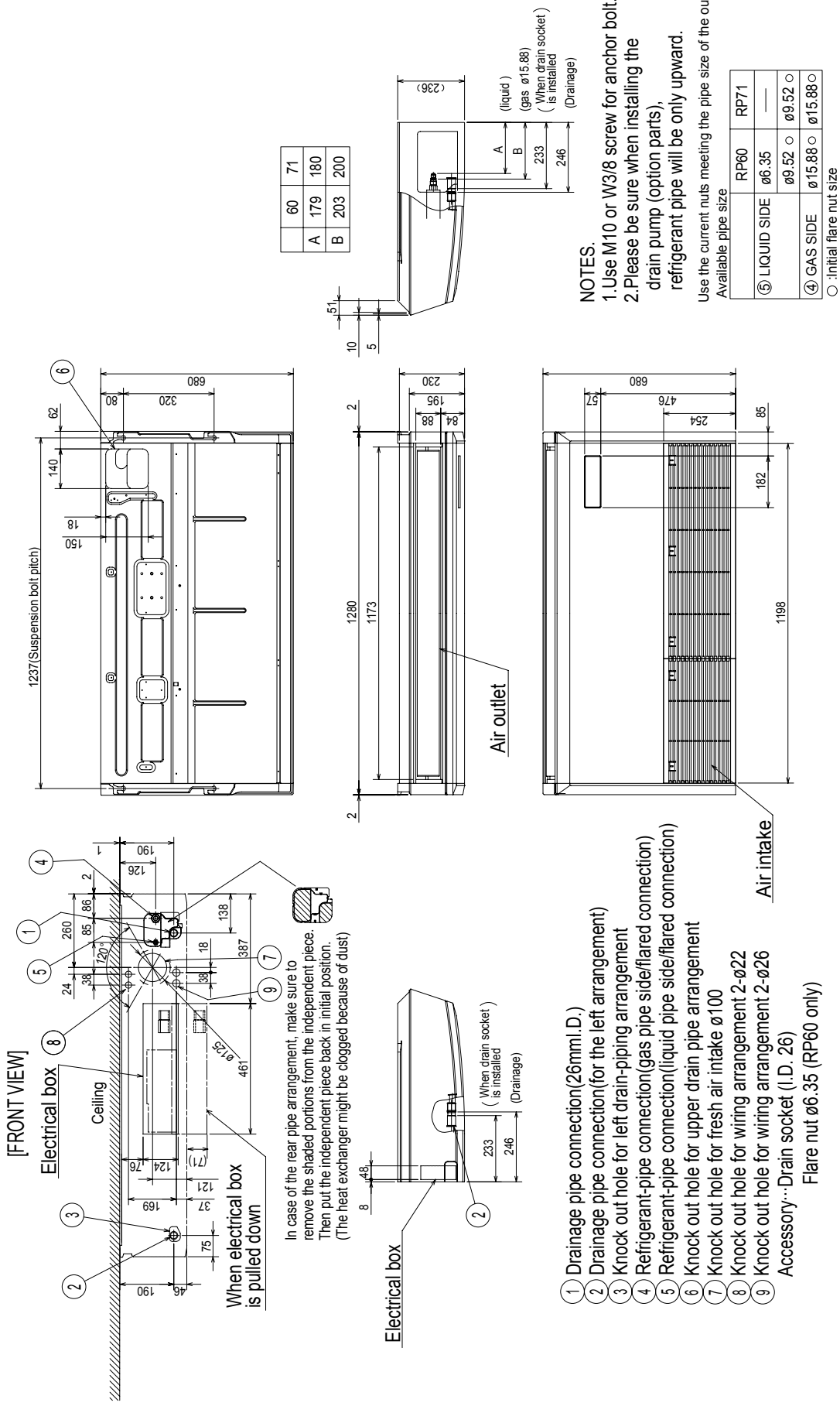
Unit : mm


[FRONT VIEW]
Electrical box
Ceiling
When electrical box is pulled down
In case of the rear pipe arrangement, make sure to remove the shaded portions from the independent piece. Then put the independent piece back in initial position. (The heat exchanger might be clogged because of dust)
Electrical box
Air outlet
Air intake
(When drain socket is installed)
(Drainage)
(liquid ø6.35)
(gas ø12.7)
917(Suspension bolt pitch)
NOTES.
1.Use M10 or W3/8 screw for anchor bolt.
2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.

① Drainage pipe connection(26mmI.D.)
② Drainage pipe connection(for the left arrangement)
③ Knock out hole for left drain-piping arrangement
④ Refrigerant-pipe connection(gas pipe side/flared connection)
⑤ Refrigerant-pipe connection(liquid pipe side/flared connection)
⑥ Knock out hole for upper drain pipe arrangement
⑦ Knock out hole for fresh air intake ø100
⑧ Knock out hole for wiring arrangement 2-ø22
⑨ Knock out hole for wiring arrangement 2-ø26
Accessory···Drain socket (I.D. 26)

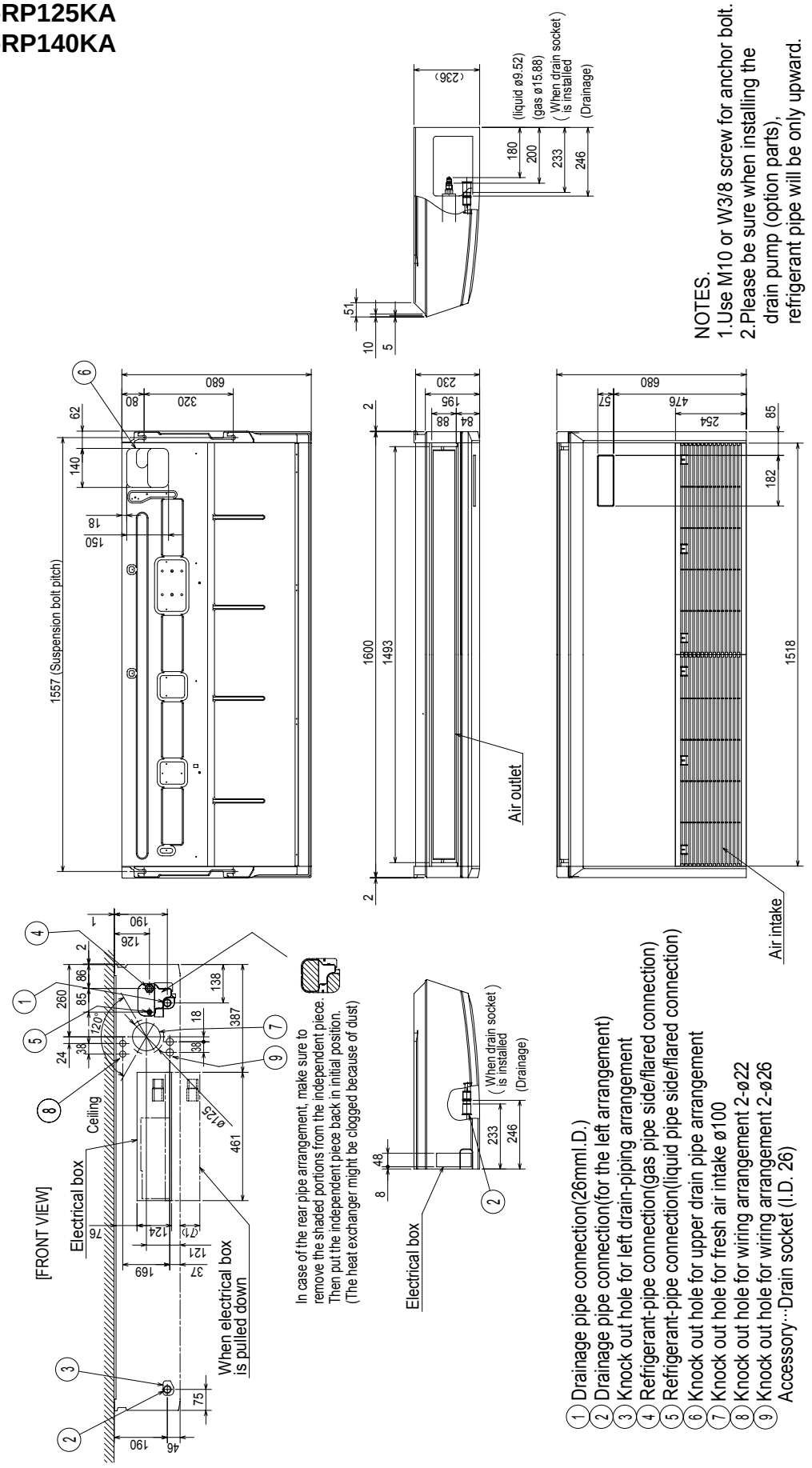
PCA-RP60KA
PCA-RP71KA

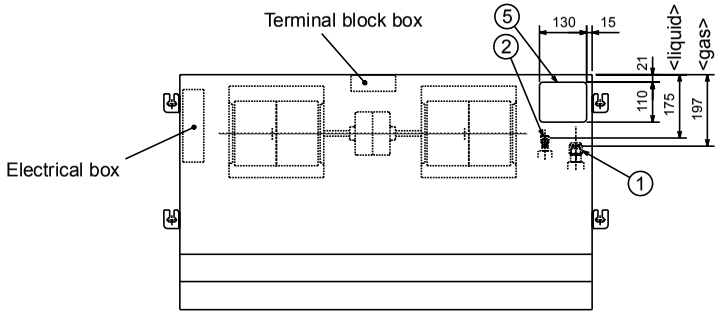
Unit : mm


NOTES.
1.Use M10 or W3/8 screw for anchor bolt.
2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.
Use the current nuts meeting the pipe size of the outdoor unit.
Available pipe size
RP60 RP71
⑤ LIQUID SIDE ø6.35 —
ø9.52 ○ ø9.52 ○
④ GAS SIDE ø15.88○ ø15.88○
○ :Initial flare nut size
60 71
A 179 180
B 203 200
(236)
(liquid)
(gas ø15.88)
(When drain socket is installed
(Drainage)
1237(Suspension bolt pitch)
Air outlet
Air intake
[FRONT VIEW]
Electrical box
Ceiling
When electrical box is pulled down
In case of the rear pipe arrangement, make sure to remove the shaded portions from the independent piece. Then put the independent piece back in initial position. (The heat exchanger might be clogged because of dust)
Electrical box
① Drainage pipe connection(26mmI.D.)
② Drainage pipe connection(for the left arrangement)
③ Knock out hole for left drain-piping arrangement
④ Refrigerant-pipe connection(gas pipe side/flared connection)
⑤ Refrigerant-pipe connection(liquid pipe side/flared connection)
⑥ Knock out hole for upper drain pipe arrangement
⑦ Knock out hole for fresh air intake ø100
⑧ Knock out hole for wiring arrangement 2-ø22
⑨ Knock out hole for wiring arrangement 2-ø26
Accessory···Drain socket (I.D. 26)
Flare nut ø6.35 (RP60 only)

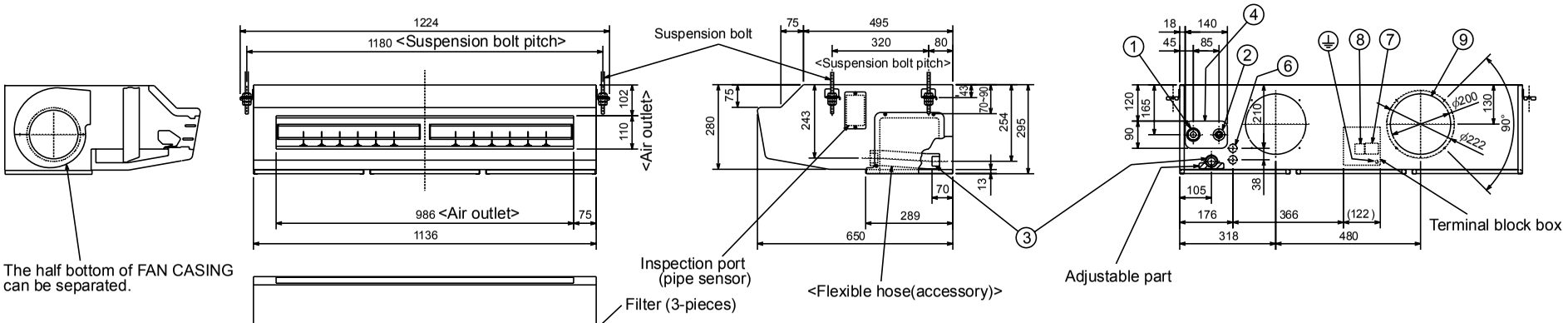
PCA-RP100KA
PCA-RP125KA
PCA-RP140KA

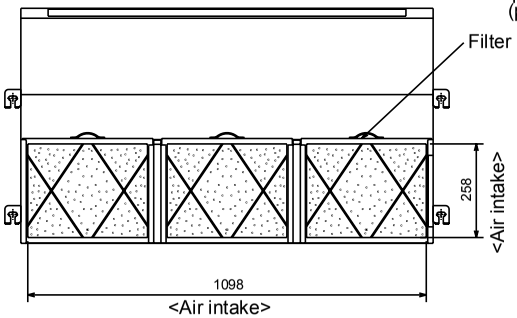
Unit : mm



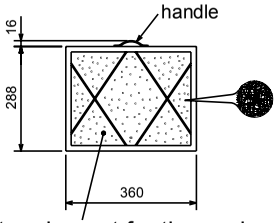


①Refrigerant-pipe connection(gas pipe side/flared connection : 5/8 inch)
②Refrigerant-pipe connection(liquid pipe side/flared connection : 3/8 inch)
③Flexible hose(accessory)→Drainage pipe connection(26mm I.D.)
④Knockout hole for behind refrigerant-piping arrangement
⑤Knockout hole for upper refrigerant-pipe arrangement
⑥Knockout hole for wiring arrangement : 2- ϕ 27
⑦Terminal block(indoor/outdoor connecting line)
⑧Terminal block(remote controller)
⑨Knockout hole (duct for fresh air intake): 2- ϕ 200
· Optional parts:duct flange(ϕ 200). model: PAC-SF28OF-E(1 pc.)



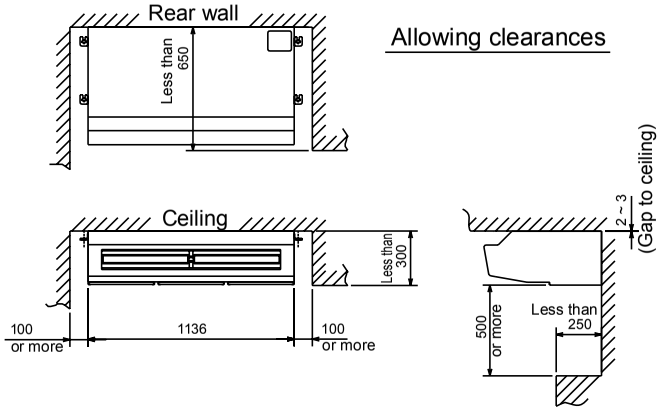


<Filter contour dimension>



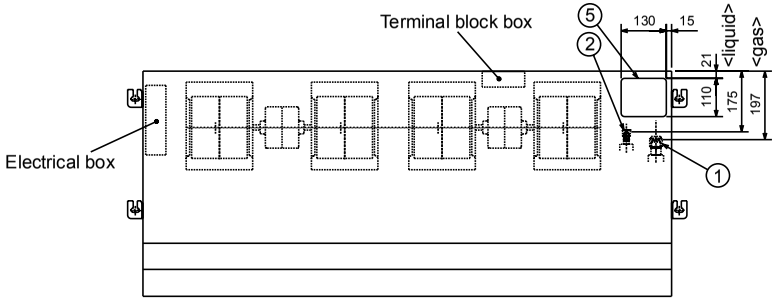
Filter element for the exchange model:PAC-SG38KF-E (12pcs.)

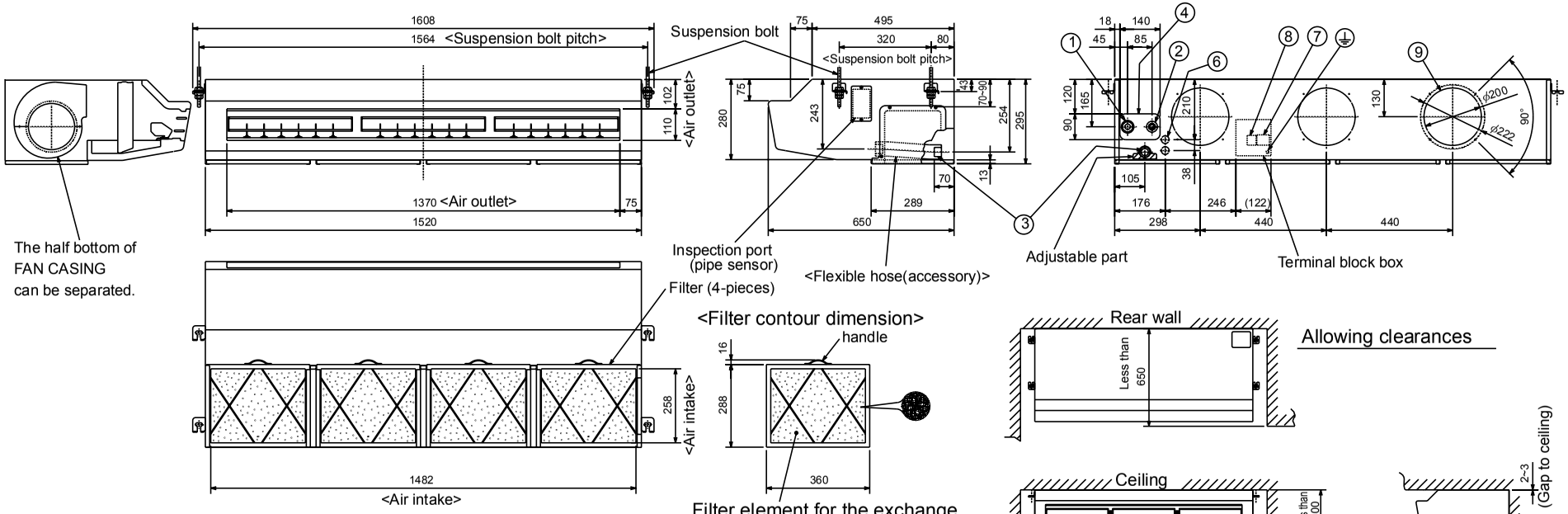
Allowing clearances



NOTES.
1.Use M10 or W3/8 screw for anchor bolt.

①Refrigerant-pipe connection(gas pipe side/flared connection : 5/8 inch)
②Refrigerant-pipe connection(liquid pipe side/flared connection : 3/8 inch)
③Flexible hose(accessory)→ Drainage pipe connection(26mm I.D.)
④Knockout hole for behind refrigerant-piping arrangement
⑤Knockout hole for upper refrigerant-pipe arrangement
⑥Knockout hole for wiring arrangement : 2- ϕ 27
⑦Terminal block(indoor/outdoor connecting line)
⑧Terminal block(remote controller)
⑨Knockout hole (duct for fresh air intake) : 2- ϕ 200
· Optional parts:duct flange(ϕ 200). model: PAC-SF28OF-E(1 pc.)

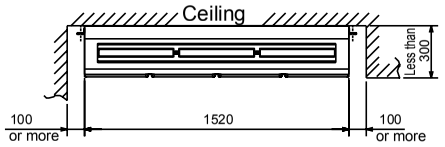


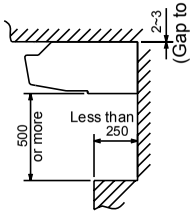


<Filter contour dimension>

Filter element for the exchange
model:PAC-SG38KF-E (12pcs.)

Allowing clearances





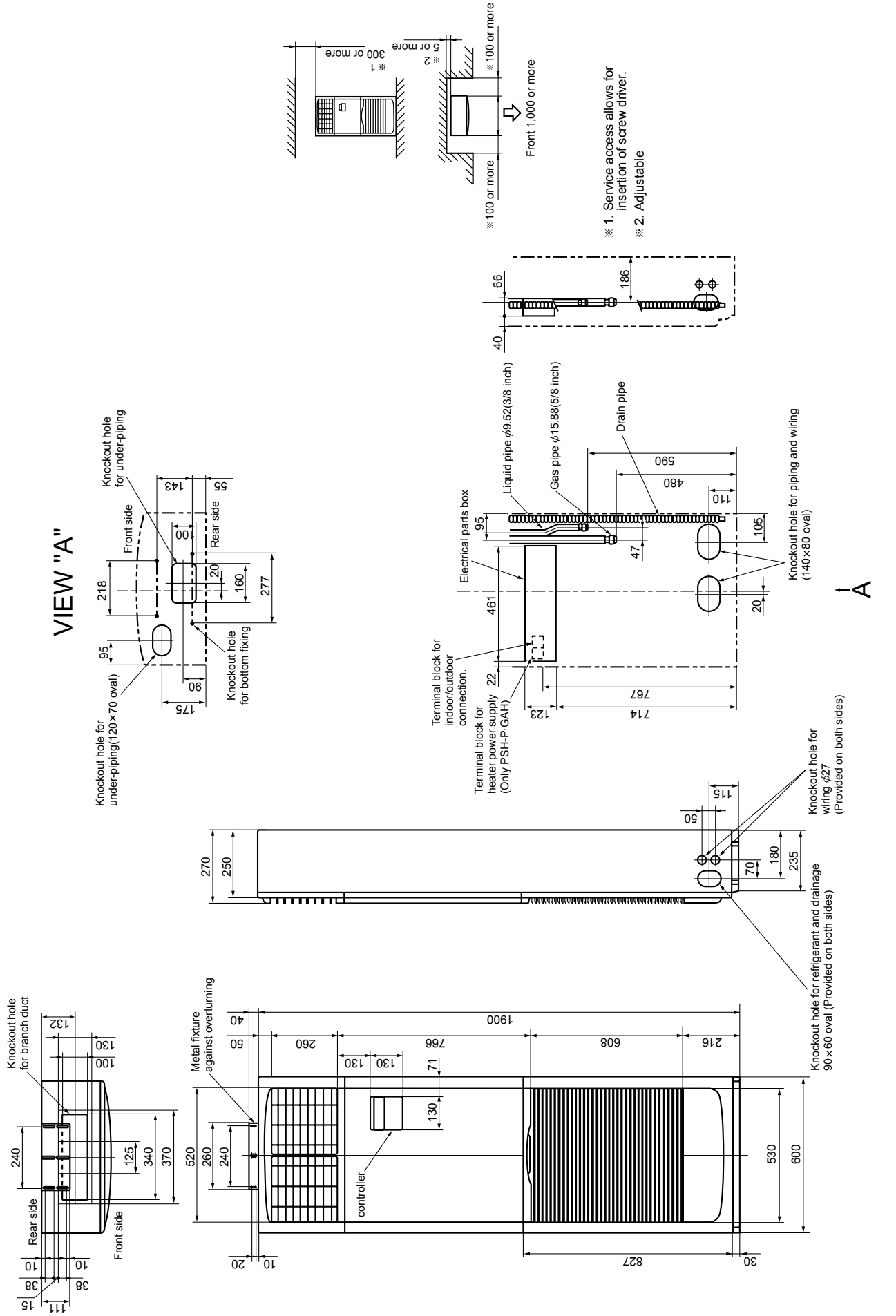
NOTES.
1.Use M10 or W3/8 screw for anchor bolt.

Use the current nuts meeting the pipe size
of the outdoor unit.

Unit : mm

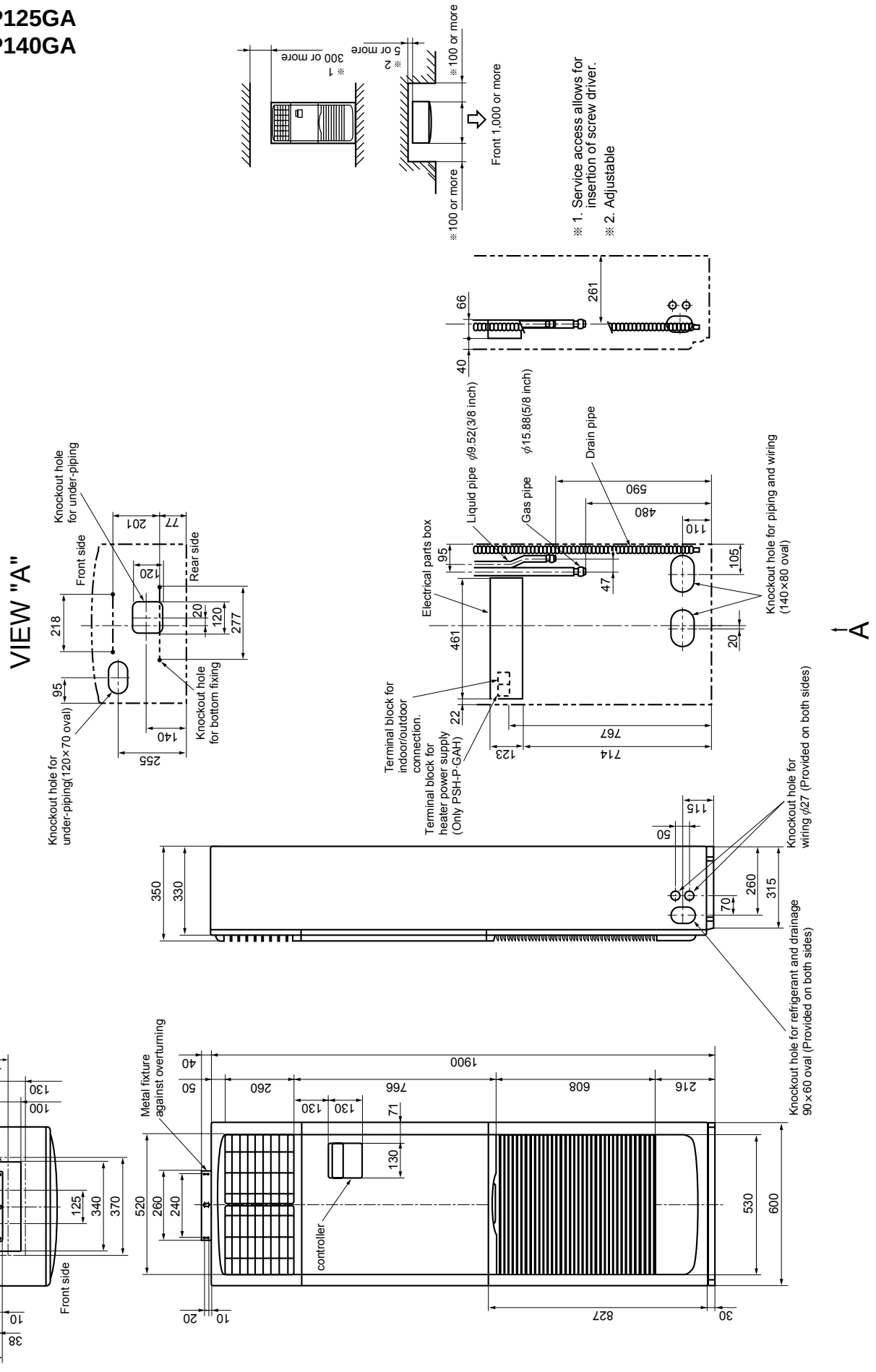
PSA-RP71GA

Unit : mm


※1. Service access allows for insertion of screw driver.
※2. Adjustable
※1 300 or more
※2 5 or more
※100 or more
※100 or more
Front 1,000 or more
VIEW "A"
Knockout hole for under-piping
Front side
Rear side
Knockout hole for bottom fixing
Knockout hole for under-piping(120×70 oval)
Liquid pipe φ9.52(3/8 inch)
Gas pipe φ15.88(5/8 inch)
Drain pipe
Electrical parts box
Knockout hole for piping and wiring (140×80 oval)
Terminal block for indoor/outdoor connection.
Terminal block for heater power supply (Only PSH-P·GAH)
A
Knockout hole for wiring φ27 (Provided on both sides)
Knockout hole for refrigerant and drainage 90×60 oval (Provided on both sides)
Knockout hole for branch duct
Metal fixture against overturning
controller

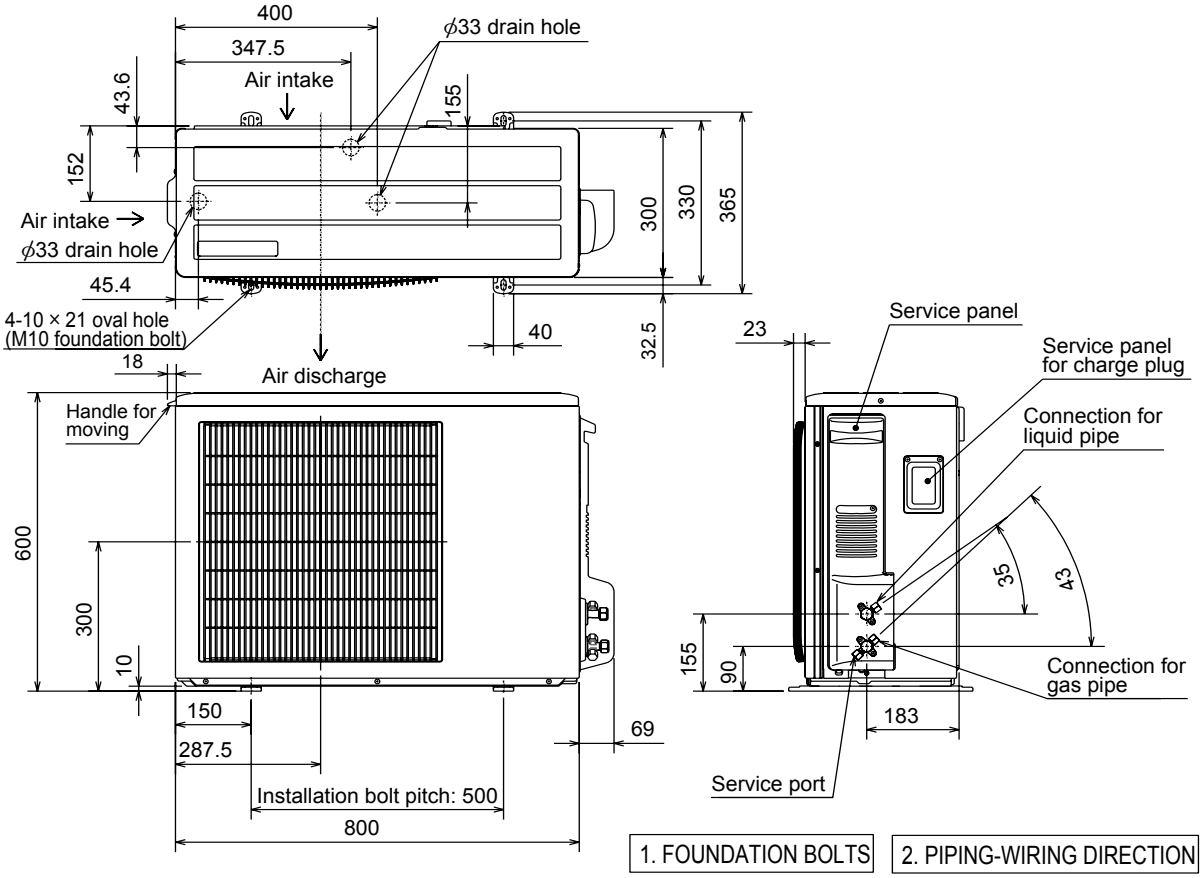
PSA-RP100GA
PSA-RP125GA
PSA-RP140GA

Unit : mm

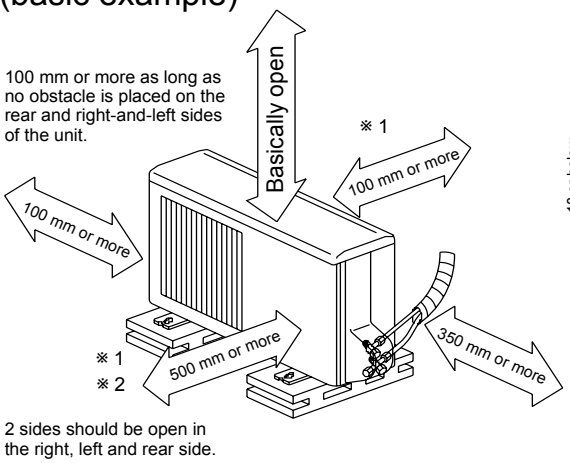

※1. Service access allows for insertion of screw driver.
※2. Adjustable
※1 300 or more
※2 5 or more
※100 or more
Front 1,000 or more
VIEW "A"
Knockout hole for under-piping
Front side
Rear side
Knockout hole for under-piping(120×70 oval)
Knockout hole for bottom fixing
Liquid pipe ϕ9.52(3/8 inch)
Gas pipe ϕ15.88(5/8 inch)
Drain pipe
Electrical parts box
Terminal block for indoor/outdoor connection.
Terminal block for heater power supply (Only PSH-P-GAH)
Knockout hole for piping and wiring (140×80 oval)
Knockout hole for wiring ϕ27 (Provided on both sides)
Knockout hole for refrigerant and drainage 90×60 oval (Provided on both sides)
Knockout hole for branch duct
Metal fixture against overturning
controller
A

PUHZ-RP35VHA4
PUHZ-RP50VHA4

Unit : mm

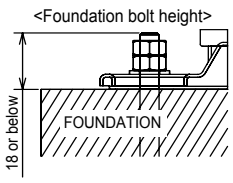


Free space around the outdoor unit (basic example)


100 mm or more as long as no obstacle is placed on the rear and right-and-left sides of the unit.
Basically open
※ 1
100 mm or more
100 mm or more
※ 1
※ 2
500 mm or more
350 mm or more
2 sides should be open in the right, left and rear side.

1. FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts, washer and nut must be purchased locally.)



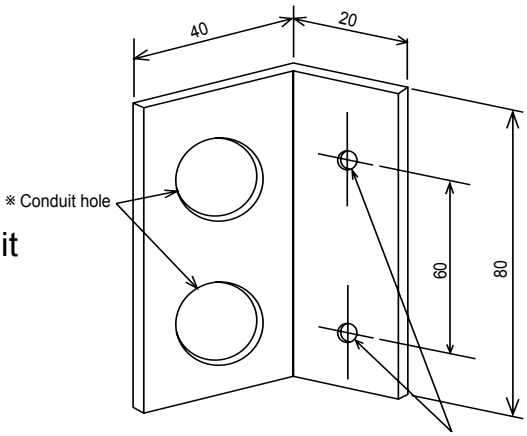
2. PIPING-WIRING DIRECTION

Piping and wiring connection can be made from the rear direction only.

3. ATTACHING THE CONDUIT

In order to attach the conduit, it is necessary to fix the metal plate with 2 screws to the back panel. Procure the metal plate and make screw holes locally. It is recommended to use the metal plate shown below. Align the metal plate to the marks on the unit and attach it.

※ The position and the size of conduit hole depend on the conduit to be used.



Holes for metal plate fixing screw
※ The size of hole depends on the screw to be used.

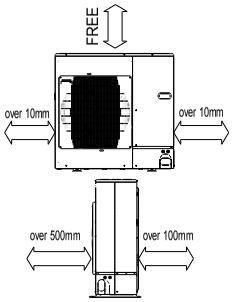
Minimum installation space for outdoor unit

※ 1 In the place where short cycle tends to occur, cooling and heating capacity and power consumption might get lowered by 10%. Air outlet guide (optional PAC-SG58SG) will help them improve.

※ 2 If air discharges to the wall, the surface might get stained.

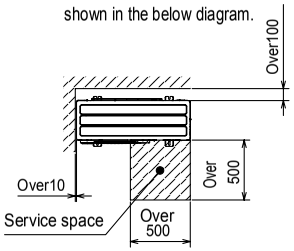
1 FREE SPACE (Around the unit)

The diagram below shows a basic example.
Explantion of particular details is given in the installation manuals etc.



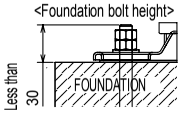
2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



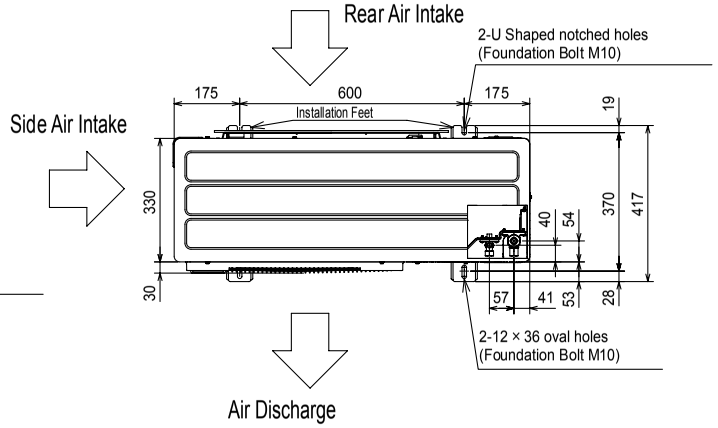
3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)



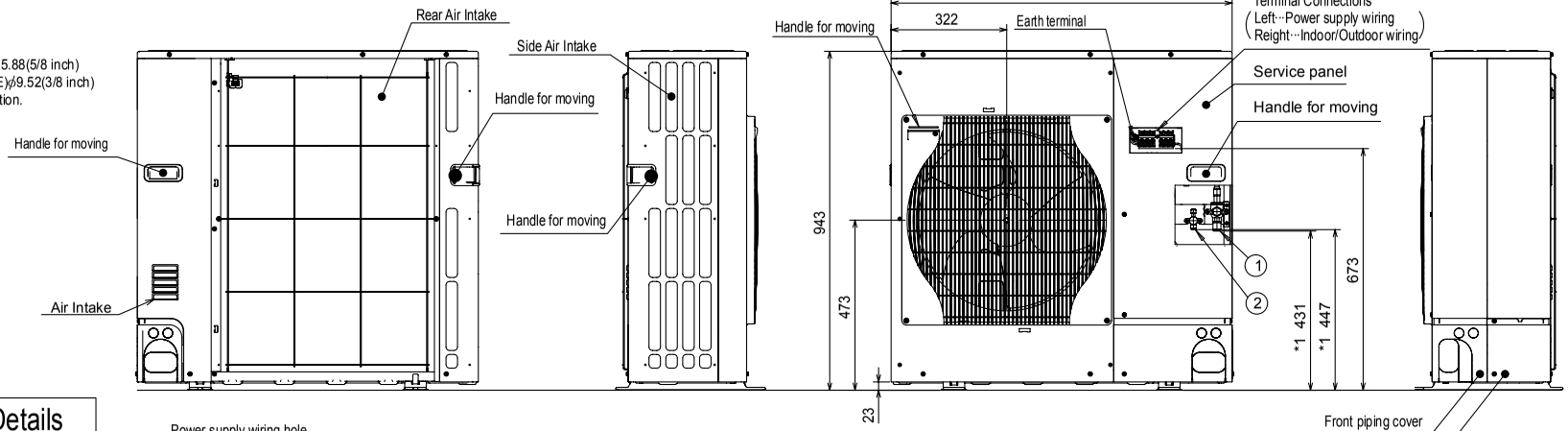
4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: front, right, rear and below.

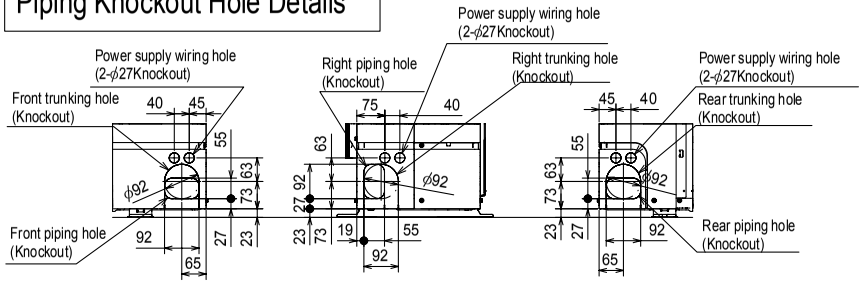


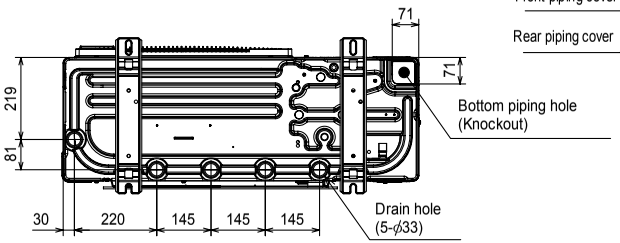
Example of Notes

① Refrigerant GAS pipe connction (FLARE)ϕ15.88(5/8 inch)
② Refrigerant LIQUID pipe connection (FLARE)ϕ9.52(3/8 inch)
*1...Indication of STOP VALVE connection location.



Piping Knockout Hole Details

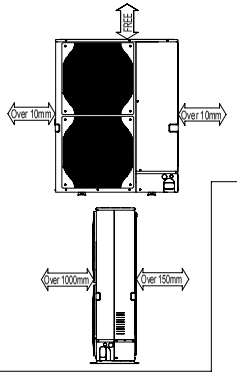




Unit : mm

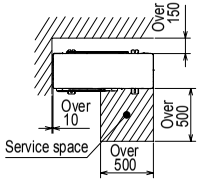
1 FREE SPACE (Around the unit)

The diagram below shows a basic example.
Explantion of particular details are given in the installation manuals etc.



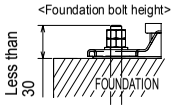
2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)



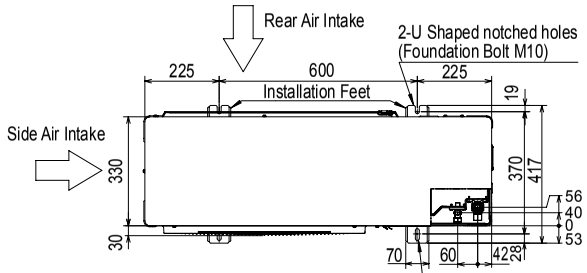
4 PIPING-WIRING DIRECTIONS

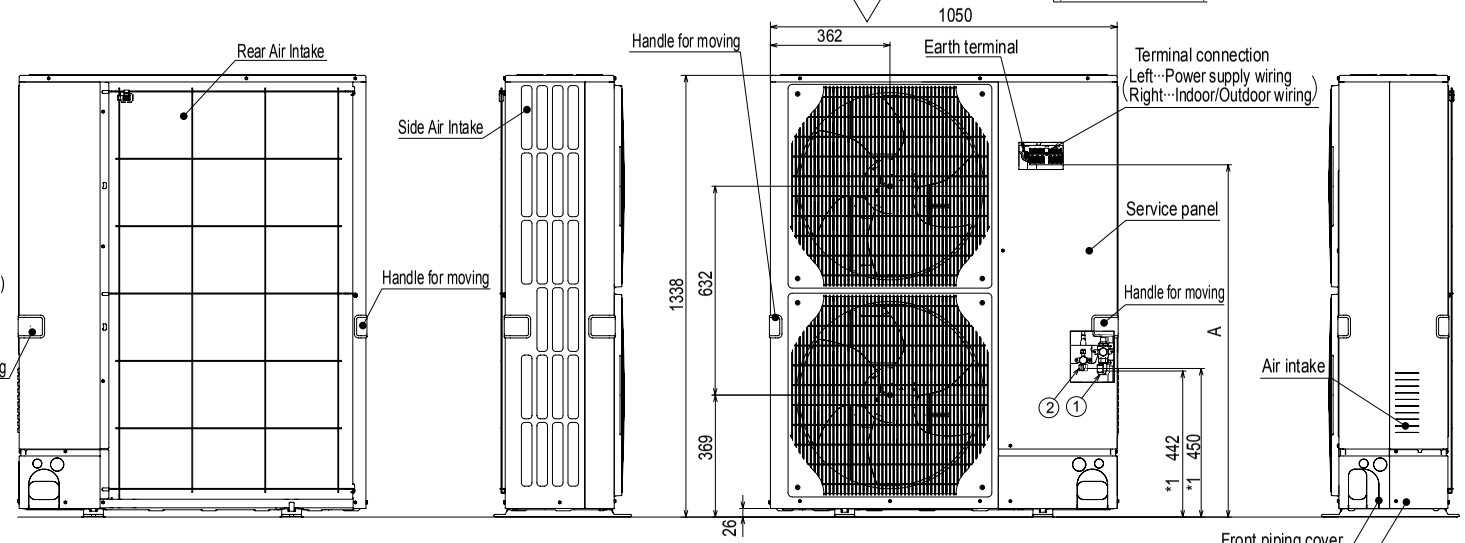
Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.

Example of Notes

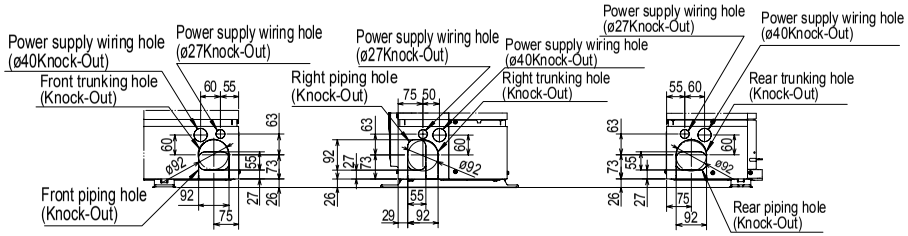
① ···Refrigerant GAS pipe connection (FLARE)ø15.88(5/8F)
② ···Refrigerant LIQUID pipe connection (FLARE)ø 9.52(3/8F)
*1···Indication of STOP VALVE connection location.

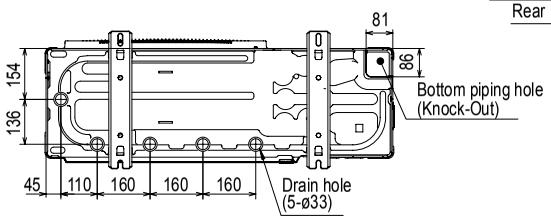
Model	A
PUHZ-RP100~140VKA	1067
PUHZ-RP100~140YKA	919





Piping Knock-Out Hole Details

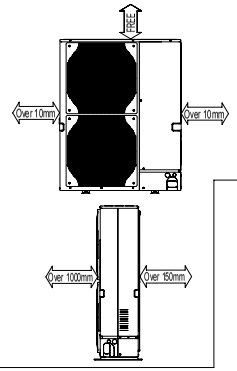

Power supply wiring hole (ø40Knock-Out)
Power supply wiring hole (ø27Knock-Out)
Front trunking hole (Knock-Out)
Front piping hole (Knock-Out)
Power supply wiring hole (ø27Knock-Out)
Power supply wiring hole (ø40Knock-Out)
Right piping hole (Knock-Out)
Right trunking hole (Knock-Out)
Power supply wiring hole (ø27Knock-Out)
Power supply wiring hole (ø40Knock-Out)
Rear trunking hole (Knock-Out)
Rear piping hole (Knock-Out)



Unit : mm

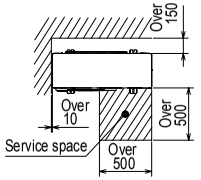
1 FREE SPACE (Around the unit)

The diagram below shows a basic example.
Explantion of particular details are given in the installation manuals etc.



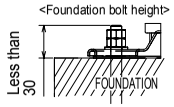
2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



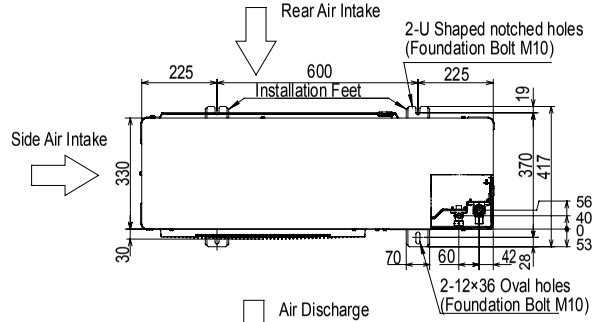
3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)



4 PIPING-WIRING DIRECTIONS

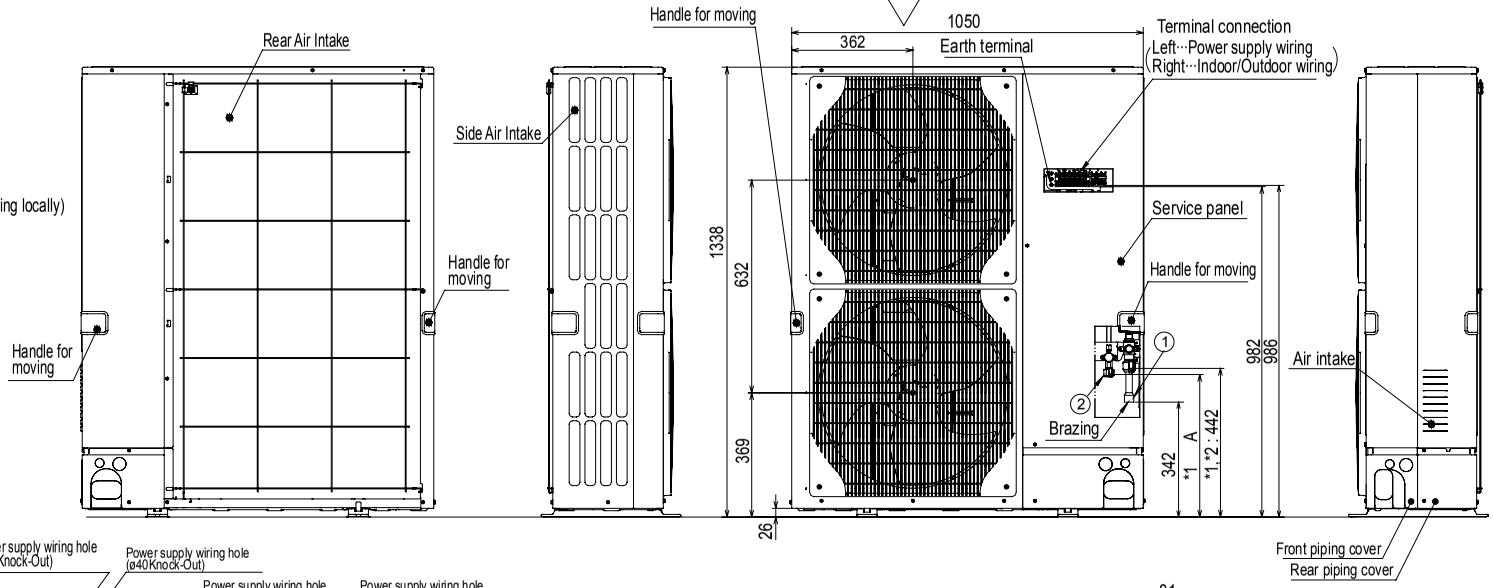
Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.



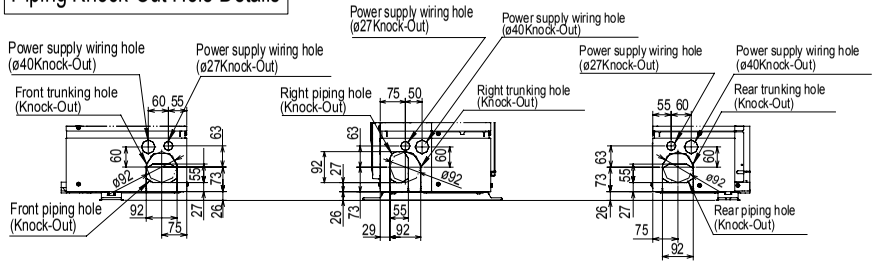
Example of Notes

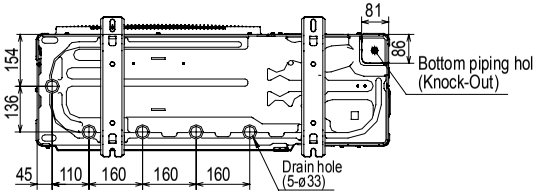
①···Refrigerant GAS pipe connection (attached JOINT)ø25.4(Brazing locally)
②···Refrigerant LIQUID pipe connection (FLARE)
*1···Indication of STOP VALVE connection location.
*2···(FLARE)ø 19.05(3/4F)

Model	② connection	A
PUHZ-RP200YKA	ø9.52(3/8F)	450
PUHZ-RP250YKA	ø12.7(1/2F)	424



Piping Knock-Out Hole Details

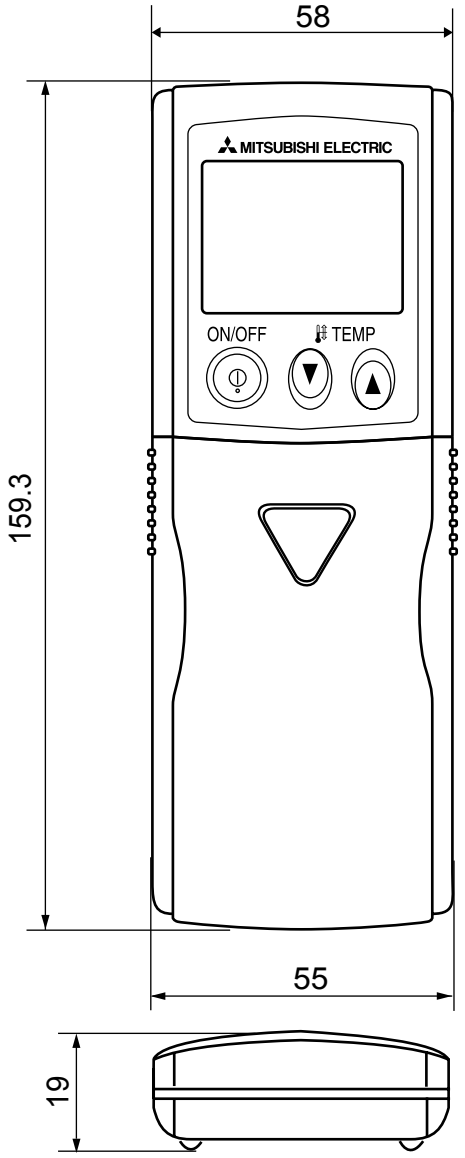

Power supply wiring hole (ø40Knock-Out)
Power supply wiring hole (ø27Knock-Out)
Front trunking hole (Knock-Out)
Front piping hole (Knock-Out)
Power supply wiring hole (ø27Knock-Out)
Power supply wiring hole (ø40Knock-Out)
Right piping hole (Knock-Out)
Right trunking hole (Knock-Out)
Power supply wiring hole (ø27Knock-Out)
Power supply wiring hole (ø40Knock-Out)
Rear trunking hole (Knock-Out)
Rear piping hole (Knock-Out)



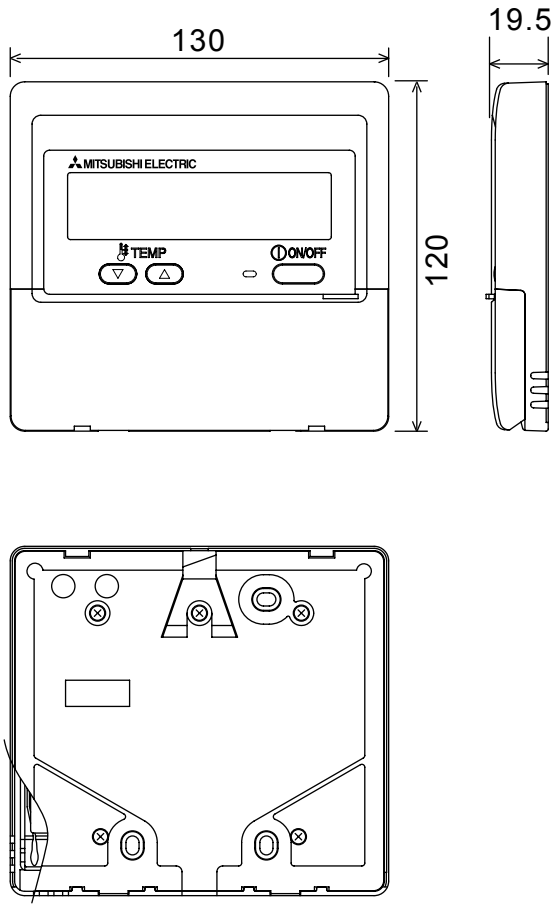
Unit : mm

Unit : mm

WIRELESS REMOTE CONTROLLER



WIRED REMOTE CONTROLLER



4 WIRING DIAGRAM

4-1. INDOOR UNIT

PLA-RP35BA PLA-RP50BA PLA-RP60BA PLA-RP71BA PLA-RP100BA PLA-RP125BA
PLA-RP71BA2 PLA-RP100BA3 PLA-RP125BA2 PLA-RP140BA2

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TB2	TERMINAL BLOCK (Indoor unit Power (option))
CN2L	CONNECTOR (LOSSNAY)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN32	CONNECTOR (REMOTE SWITCH)	TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN41	CONNECTOR (HA TERMINAL-A)		
CN51	CONNECTOR (CENTRALLY CONTROL)	TH1	ROOM TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
FUSE	FUSE (T6.3AL250V)		
LED1	POWER SUPPLY (I.B)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
LED2	POWER SUPPLY (R.B)		
LED3	TRANSMISSION (INDOOR-OUTDOOR)	TH5	COND. / EVA. TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
SW1	SWITCH (MODEL SELECTION) ※See table 1		
SW2	SWITCH (CAPACITY CORD) ※See table 2	OPTION PART	
SWE	CONNECTOR (EMERGENCY OPERATION)	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
X1	RELAY (DRAIN PUMP)	BZ	BUZZER
DCL	REACTOR	LED1	LED (OPERATION INDICATION : GREEN)
DP	DRAIN-UP MACHINE	LED2	LED (PREPARATION FOR HEATING : ORANGE)
FS	DRAIN FLOAT SWITCH	RU	RECEIVING UNIT
MF	FAN MOTOR	SW1	EMERGENCY OPERATION (HEAT / DOWN)
MV	VANE MOTOR	SW2	EMERGENCY OPERATION (COOL / UP)

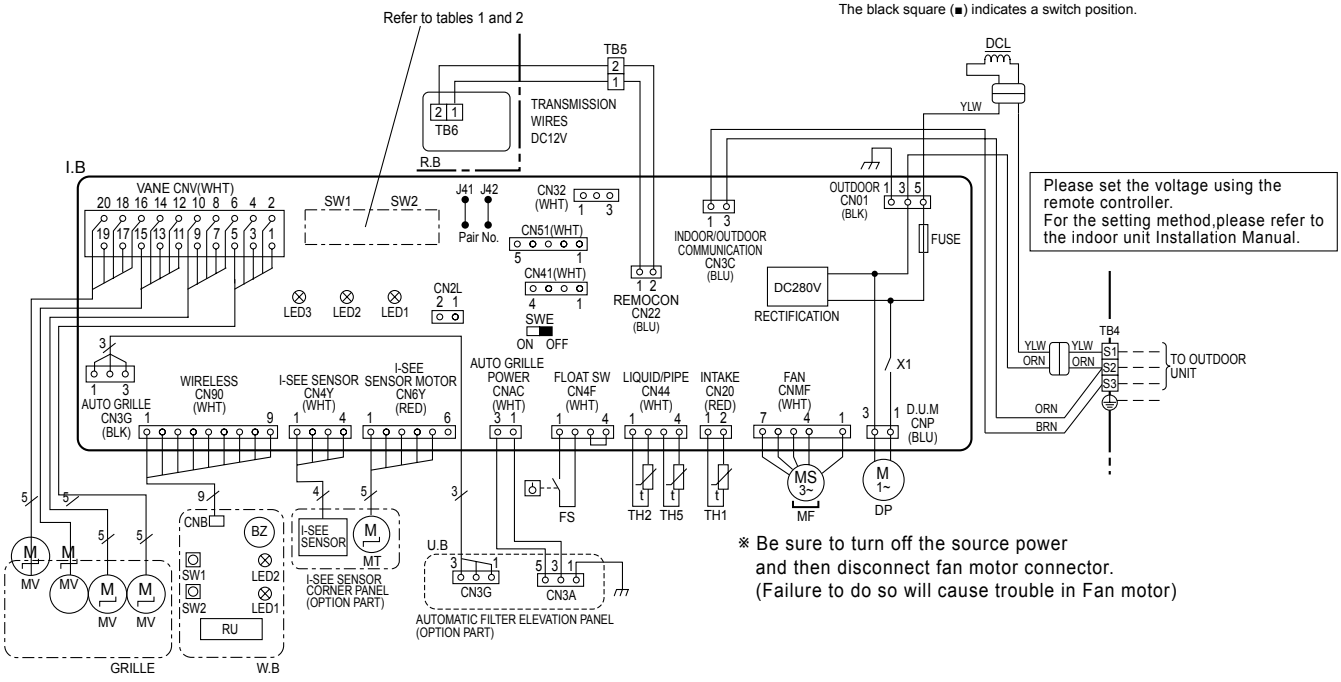
<Table 1> SW1 (MODEL SELECTION)

SW1	
MODELS	SETTING
PLA-RP·BA	1 2 3 4 5 ON OFF
PLA-RP71/125BA2	1 2 3 4 5 ON OFF
PLA-RP140BA2 PLA-RP100BA3	1 2 3 4 5 ON OFF

<Table 2> SW2 (CAPACITY CODE)

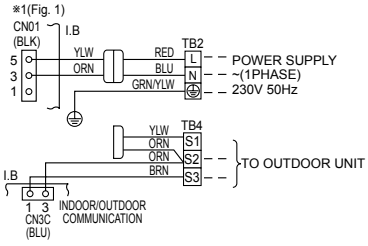
SW2			
CAPACITY	SETTING	CAPACITY	SETTING
35	1 2 3 4 5 ON OFF	100	1 2 3 4 5 ON OFF
50	1 2 3 4 5 ON OFF	125	1 2 3 4 5 ON OFF
60	1 2 3 4 5 ON OFF	140	1 2 3 4 5 ON OFF
71	1 2 3 4 5 ON OFF		

The black square (■) indicates a switch position.

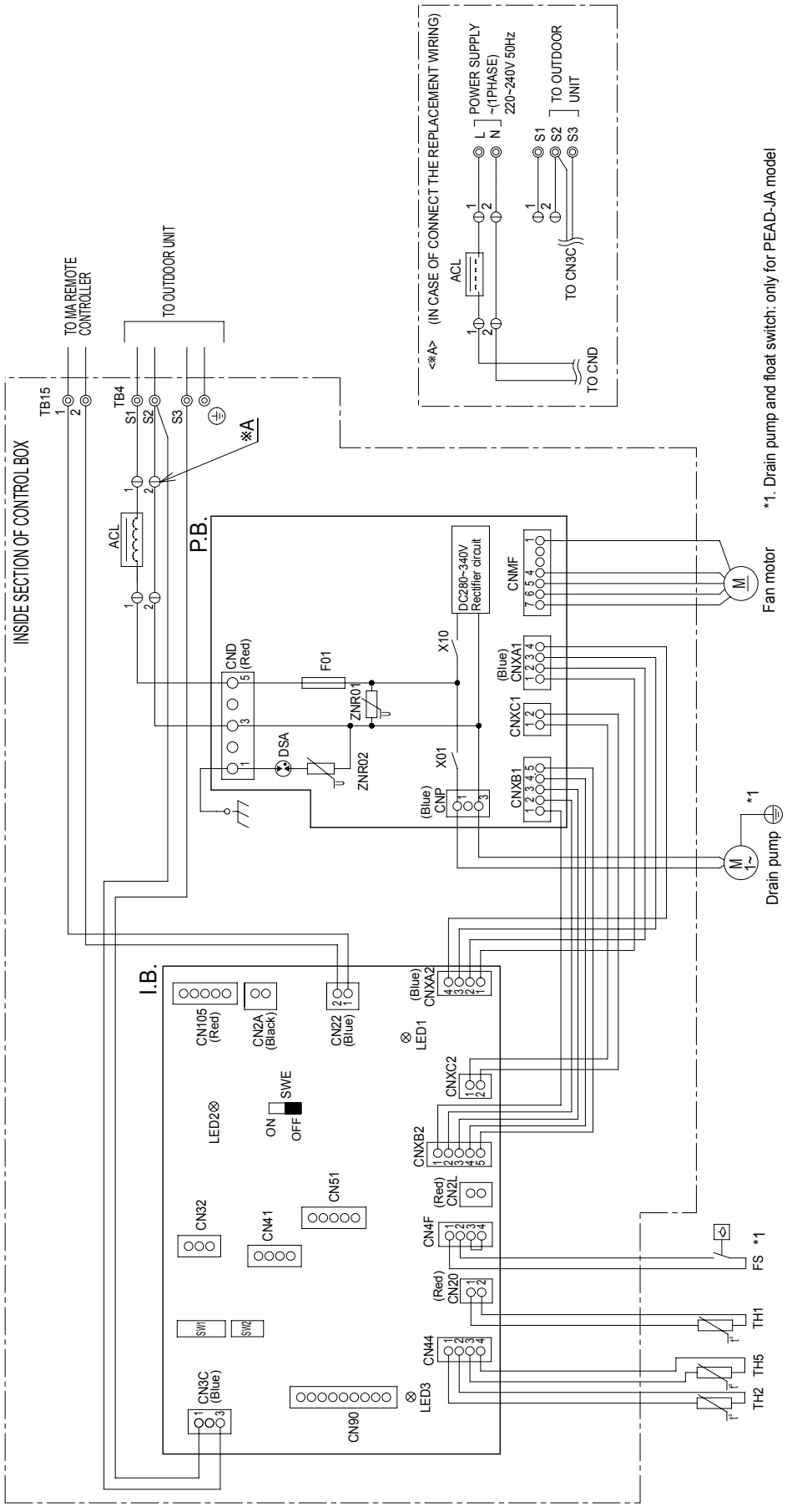


Notes:

1. Symbols used in wiring diagram above are, ▭ : Connector, ▭▭ : Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires.(specification of 230V), adopting superimposed system for power and signal.
   ※1:If indoor and outdoor units have separate power supplies, refer to Fig 1.
   ※2:For power supply system of this unit, refer to the caution label located near this diagram.



PEAD-RP35JA(L) PEAD-RP50JA(L) PEAD-RP60JA(L) PEAD-RP71JA(L)
PEAD-RP100JA(L) PEAD-RP125JA(L) PEAD-RP140JA(L)



NOTE: 1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
3. Symbols used in wiring diagram above are, ◎ terminal block, ⏀ connector.

SYMBOL EXPLANATION

SYMBOL	NAME
I.B.	Indoor controller board
CN2A	Connector (0-10V Analog input)
CN2L	Connector (Lossnay)
CN32	Connector (Remote switch)
CN41	Connector (HA terminal-A)
CN51	Connector (Centrally control)
CN90	Connector (Wireless)
CN105	Connector (IT terminal)
LED1	LED(Power supply)
LED2	LED(Remote controller supply)
LED3	LED(Transmission indoor-outdoor)

SYMBOL	NAME
I.B.	Indoor controller board
SW1	Switch (for mode selection)
SW2	Switch (for capacity code)
SWE	Connector (emergency operation)
P.B.	Power supply board
F01	Fuse AC250V 6.3A
ZNR01,02	Varistor
DSA	Arrester
X01	Aux. relay
X10	Aux. relay

SYMBOL	NAME
TH1	Intake air temp. Thermistor
TH2	Pipe temp. Thermistor/liquid
TH5	Cond./eva.temp. Thermistor
ACL	AC reactor (Power factor improvement)
FS	Float switch
TB4	Terminal block (Indoor/outdoor connecting line)
TB15	Terminal block (Remote controller transmission line)

PEA-RP200, 250GA

INDOOR UNIT

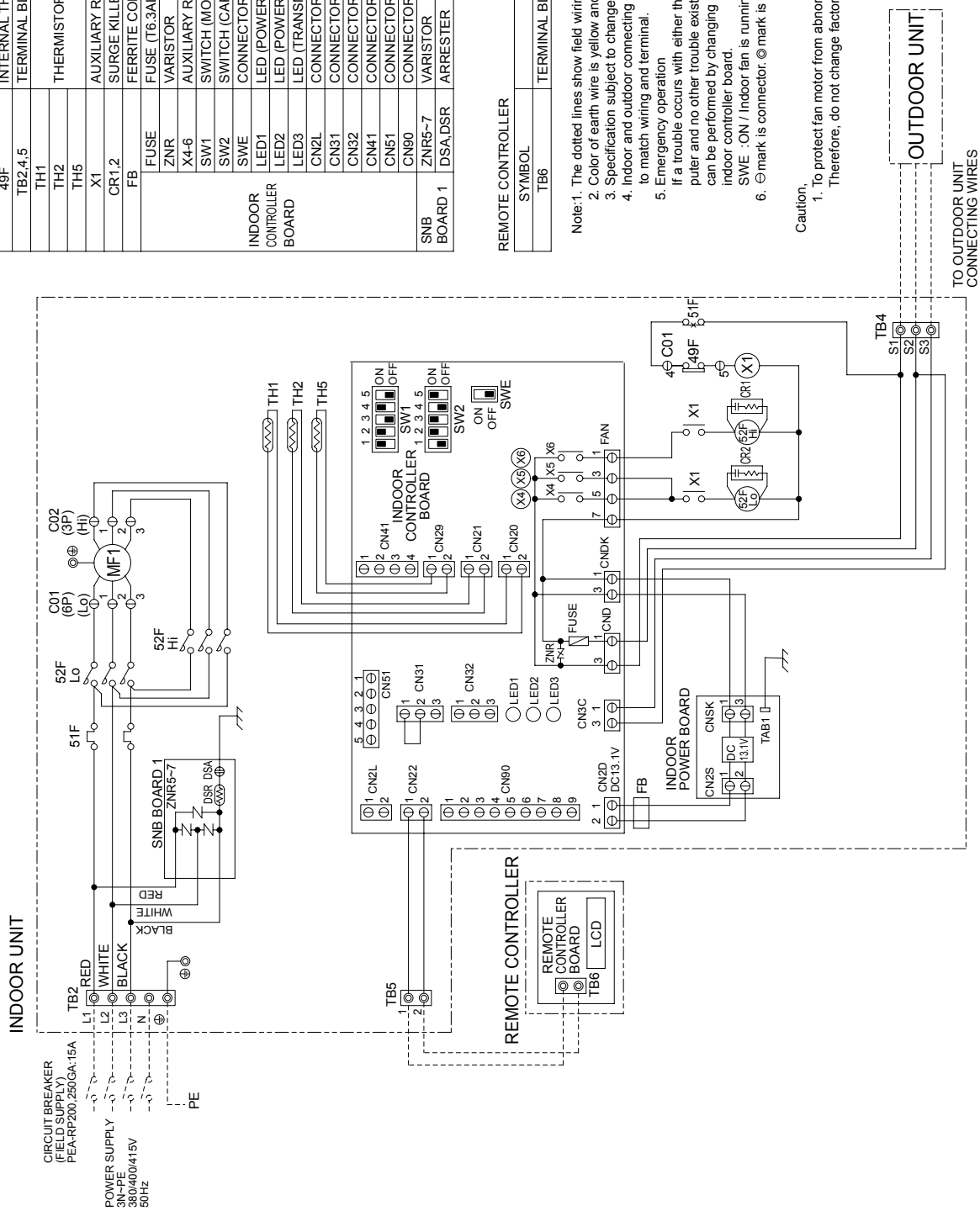
SYMBOL	NAME
MF1	FAN MOTOR (INDOOR)
51F	OVER CURRENT RELAY (INDOOR FAN MOTOR)
52FLo	MAGNETIC CONTACTOR (INDOOR FAN MOTOR<LOW SPEED>)
52FHi	MAGNETIC CONTACTOR (INDOOR FAN MOTOR<HIGH SPEED>)
49F	INTERNAL THERMOSTAT (INDOOR FAN MOTOR)
TB2,4,5	TERMINAL BLOCK
TH1	THERMISTOR — ROOM TEMP.
TH2	THERMISTOR — LIQUID PIPE TEMP.
TH5	THERMISTOR — COND./EVA. TEMP.
X1	AUXILIARY RELAY
CR1,2	SURGE KILLER
FB	FERRITE CORE
INDOOR CONTROLLER BOARD — FUSE	FUSE (T6.3AL250V)
INDOOR CONTROLLER BOARD — ZNR	VARISTOR
INDOOR CONTROLLER BOARD — X4-6	AUXILIARY RELAY
INDOOR CONTROLLER BOARD — SW1	SWITCH (MODEL SELECTION)
INDOOR CONTROLLER BOARD — SW2	SWITCH (CAPACITY CODE)
INDOOR CONTROLLER BOARD — SWE	CONNECTOR (EMERGENCY OPERATION)
INDOOR CONTROLLER BOARD — LED1	LED (POWER SUPPLY)
INDOOR CONTROLLER BOARD — LED2	LED (POWER SUPPLY<REMOTE CONTROLLER>)
INDOOR CONTROLLER BOARD — LED3	LED (TRANSMISSION<INDOOR-OUTDOOR>)
INDOOR CONTROLLER BOARD — CN2L	CONNECTOR (LOSSNAY)
INDOOR CONTROLLER BOARD — CN31	CONNECTOR (DRAIN SENSOR)
INDOOR CONTROLLER BOARD — CN32	CONNECTOR (REMOTE SWITCH)
INDOOR CONTROLLER BOARD — CN41	CONNECTOR (HA TERMINAL-A)
INDOOR CONTROLLER BOARD — CN51	CONNECTOR (CENTRALLY CONTROL)
INDOOR CONTROLLER BOARD — CN90	CONNECTOR (WIRELESS REMOTE CONTROLLER)
SNB BOARD 1 — ZNR5~7	VARISTOR
SNB BOARD 1 — DSA,DSR	ARRESTER

REMOTE CONTROLLER

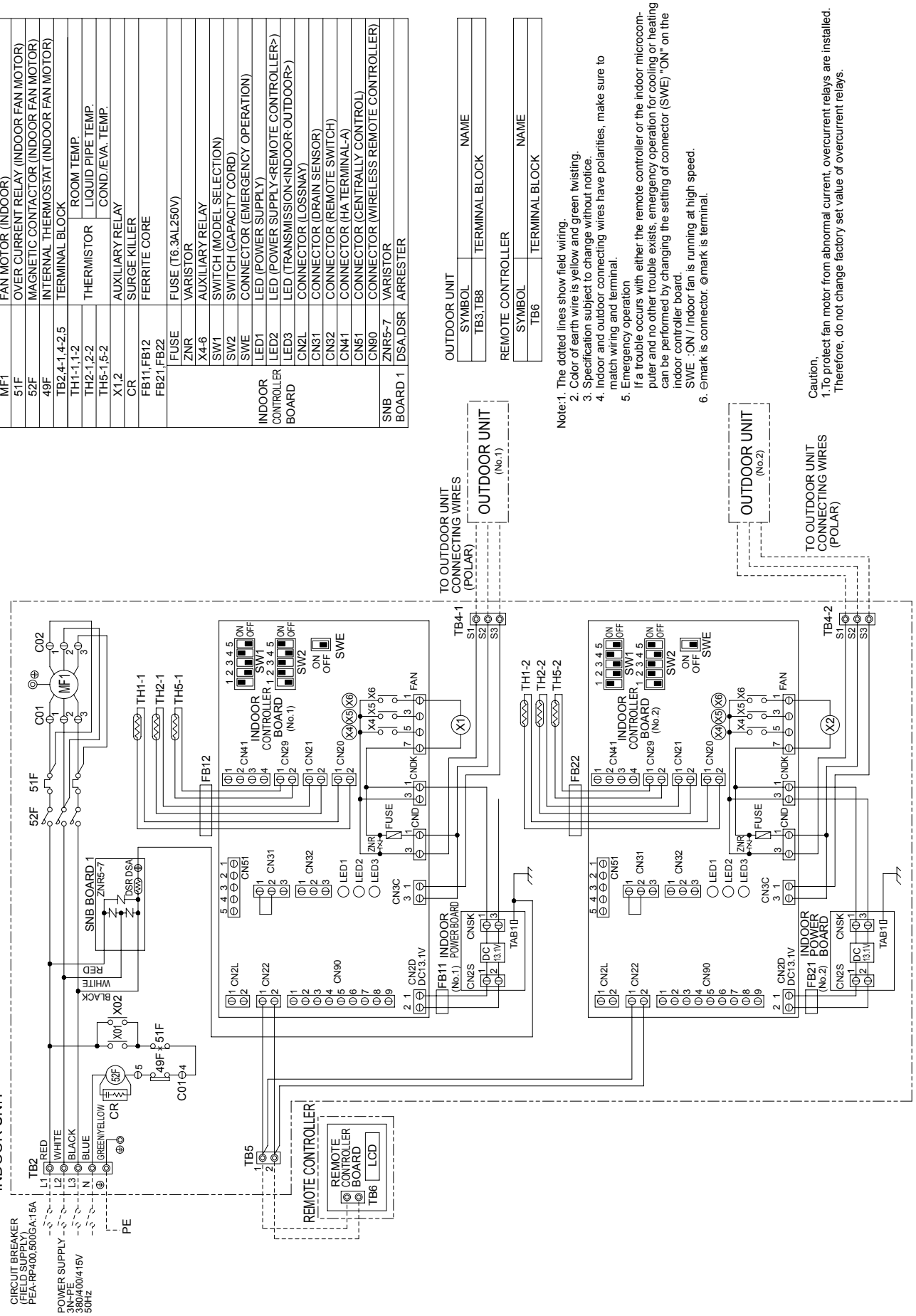
SYMBOL	NAME
TB6	TERMINAL BLOCK

Note:1. The dotted lines show field wiring.
2. Color of earth wire is yellow and green twisting.
3. Specification subject to change without notice.
4. Indoor and outdoor connecting wires have polarities, make sure to match wiring and terminal.
5. Emergency operation
If a trouble occurs with either the remote controller or the indoor microcomputer and no other trouble exists, emergency operation for cooling or heating can be performed by changing the setting of connector (SWE) "ON" on the indoor controller board.
SWE :ON / Indoor fan is running at high speed.
6. ⊖ mark is connector. ◎ mark is terminal.

Caution,
1. To protect fan motor from abnormal current, overcurrent relays are installed. Therefore, do not change factory set value of overcurrent relays.



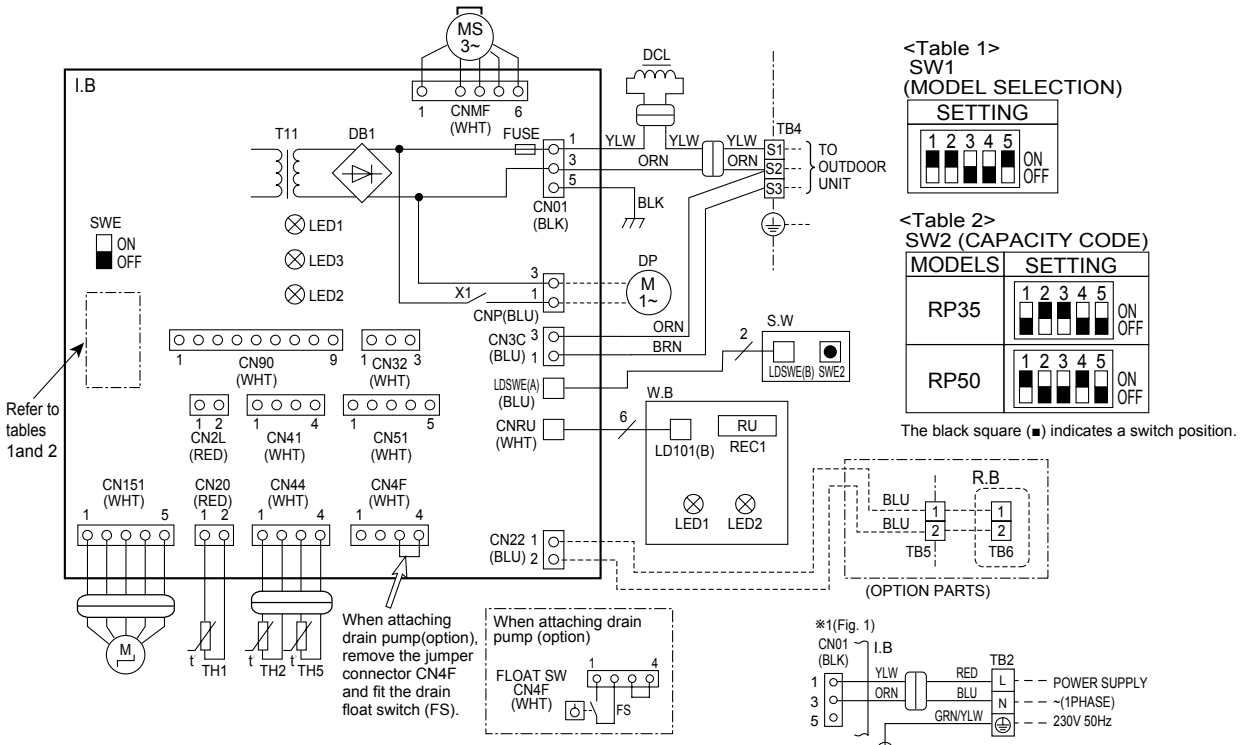
PEA-RP400, 500GA


INDOOR UNIT
SYMBOL | NAME
MF1 | FAN MOTOR (INDOOR)
51F | OVER CURRENT RELAY (INDOOR FAN MOTOR)
52F | MAGNETIC CONTACTOR (INDOOR FAN MOTOR)
49F | INTERNAL THERMOSTAT (INDOOR FAN MOTOR)
TB2,4-1,4-2,5 | TERMINAL BLOCK
TH1-1,1-2 | THERMISTOR | ROOM TEMP.
TH2-1,2-2 | LIQUID PIPE TEMP.
TH5-1,5-2 | COND./EVA. TEMP.
X1,2 | AUXILIARY RELAY
CR | SURGE KILLER
FB11,FB12 FB21,FB22 | FERRITE CORE
FUSE | FUSE (T6.3AL250V)
ZNR | VARISTOR
X4-6 | AUXILIARY RELAY
SW1 | SWITCH (MODEL SELECTION)
SW2 | SWITCH (CAPACITY CORD)
SWE | CONNECTOR (EMERGENCY OPERATION)
INDOOR CONTROLLER BOARD | LED1 | LED (POWER SUPPLY)
LED2 | LED (POWER SUPPLY<REMOTE CONTROLLER>)
LED3 | LED (TRANSMISSION<INDOOR-OUTDOOR>)
CN2L | CONNECTOR (LOSSNAY)
CN31 | CONNECTOR (DRAIN SENSOR)
CN32 | CONNECTOR (REMOTE SWITCH)
CN41 | CONNECTOR (HA TERMINAL-A)
CN51 | CONNECTOR (CENTRALLY CONTROL)
CN90 | CONNECTOR (WIRELESS REMOTE CONTROLLER)
SNB BOARD 1 | ZNR5~7 | VARISTOR
DSA,DSR | ARRESTER
OUTDOOR UNIT
SYMBOL | NAME
TB3,TB8 | TERMINAL BLOCK
REMOTE CONTROLLER
SYMBOL | NAME
TB6 | TERMINAL BLOCK
Note:1. The dotted lines show field wiring.
2. Color of earth wire is yellow and green twisting.
3. Specification subject to change without notice.
4. Indoor and outdoor connecting wires have polarities, make sure to match wiring and terminal.
5. Emergency operation
If a trouble occurs with either the remote controller or the indoor microcomputer and no other trouble exists, emergency operation for cooling or heating can be performed by changing the setting of connector (SWE) "ON" on the indoor controller board.
SWE :ON / Indoor fan is running at high speed.
6. ⊖mark is connector. ⊘mark is terminal.
Caution,
1.To protect fan motor from abnormal current, overcurrent relays are installed. Therefore, do not change factory set value of overcurrent relays.
CIRCUIT BREAKER (FIELD SUPPLY) PEA-RP400,500GA-15A
POWER SUPPLY 3N~PE 380/400/415V 50Hz
L1 L2 L3 N PE
TB2
RED WHITE BLACK BLUE GREEN/YELLOW
CR
49F
51F
52F
X01 X02
MF1
C01 C02
TH1-1 TH2-1 TH5-1
FB12
INDOOR CONTROLLER BOARD (No.1)
SW1 SW2 SWE
CN41 CN29 CN21 CN20 CN2L CN22 CN31 CN32 CN90 CN51 CN3C
LED1 LED2 LED3
X1 X4 X5 X6
FUSE ZNR CND CNDK FAN
SNB BOARD 1
ZNR5~7 DSR DSA
INDOOR POWER BOARD (No.1)
FB11 CN2S CNSK CN2D DC13.1V TAB1
TB4-1 S1 S2 S3
TO OUTDOOR UNIT CONNECTING WIRES (POLAR)
OUTDOOR UNIT (No.1)
TB5
REMOTE CONTROLLER
REMOTE CONTROLLER BOARD
TB6 LCD
TH1-2 TH2-2 TH5-2
FB22
INDOOR CONTROLLER BOARD (No.2)
X2
INDOOR POWER BOARD (No.2)
FB21
TB4-2
OUTDOOR UNIT (No.2)
TO OUTDOOR UNIT CONNECTING WIRES (POLAR)

PKA-RP35HAL PKA-RP50HAL

[Explanation of symbols]

Symbol	Name	Symbol	Name
I.B	Indoor controller board	M	Vane motor
CN2L	Connector (LOSSNAY)	MS	Fan motor
CN32	Connector (Remote switch)	S.W	Switch board
CN41	Connector (HA terminal-A)	SWE2	Emergency operation
CN51	Connector (Centrally control)	TB2	Terminal block(Indoor unit Power (option))
CN90	Connector (Remote operation adapter)	TB4	Terminal block (Indoor/outdoor connecting line)
FUSE	FUSE(T3.15AL250V)	TB5	Terminal block (Remote controller transmission line(option))
LED1	Power supply (I.B)	TH1	Room temp. Thermistor (0℃/15kΩ, 25℃/5.4kΩ Detect)
LED2	Power supply (R.B)		
LED3	Transmission (Indoor-outdoor)	TH2	Pipe temp. Thermistor/liquid (0℃/15kΩ, 25℃/5.4kΩ Detect)
SW1	Switch (Model selection) ※See table 1		
SW2	Switch (Capacity code) ※See table 2	TH5	Cond./eva. temp. Thermistor (0℃/15kΩ, 25℃/5.4kΩ Detect)
SWE	Connector (Emergency operation)		
X1	Relay (Drain pump (option))	W.B	Pcb for wireless remote controller
CNP	Drain pump (option) power supply (Drain pump (option))	LED1	LED (Operation indication : Green)
		LED2	LED (Preparation for heating: Orange)
CN4F	Drain float switch (Drain pump (option))	REC1	Receiving unit
R.B	Wired remote controller(option)	DCL	REACTOR
TB6	Terminal block (Remote controller transmission line)	DP	DRAIN PUMP (OPTION)
		FS	DRAIN FLOAT SWITCH (OPTION)



<Table 1>
SW1
(MODEL SELECTION)

SETTING
1 2 3 4 5 ON OFF

<Table 2>
SW2 (CAPACITY CODE)

MODELS	SETTING
RP35	1 2 3 4 5 ON OFF
RP50	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

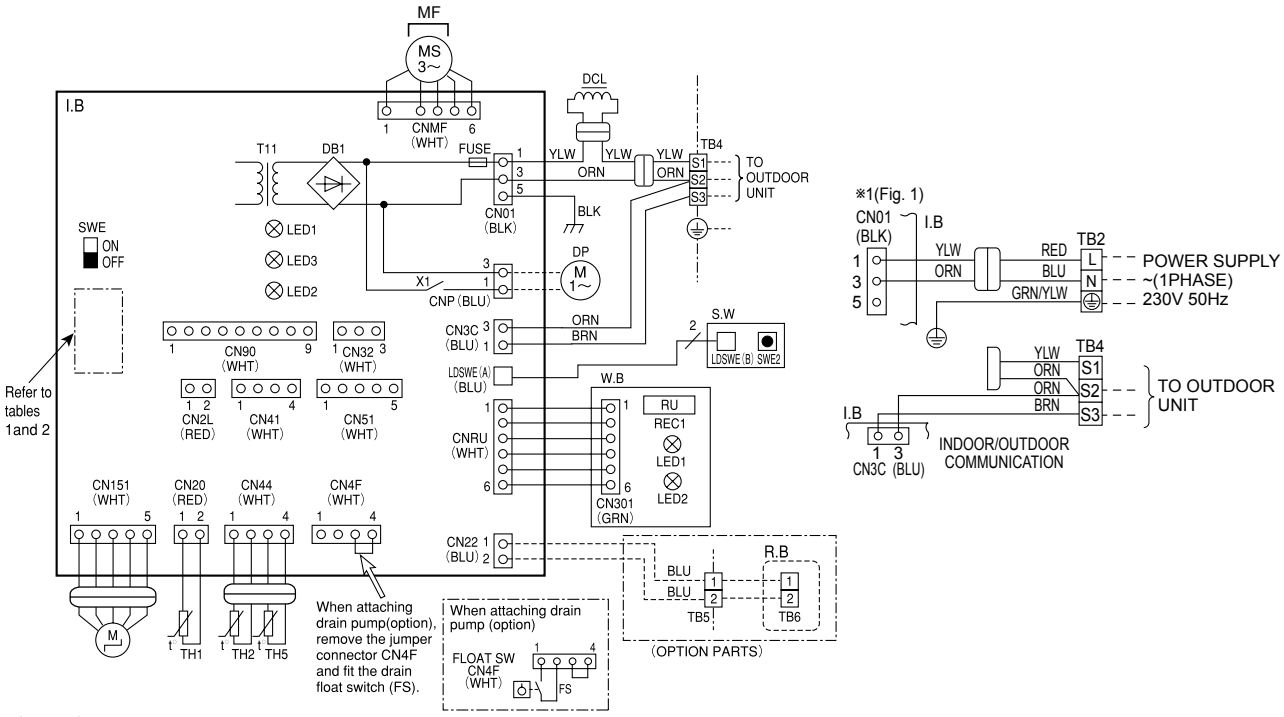
Notes:
1. Symbols used in wiring diagram above are, ▭▭▭: Connector, ▭▭▭: Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires. (specification of 230V), adopting superimposed system for power and signal.

※1: If indoor and outdoor units have separate power supplies, refer to Fig. 1.
※2: For power supply system of this unit, refer to the caution label located near this diagram.

PKA-RP60KAL PKA-RP71KAL PKA-RP100KAL

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	Indoor controller board	M	Vane motor
CN2L	Connector (LOSSNAY)	MS	Fan motor
CN32	Connector (Remote switch)	S.W	Switch board
CN41	Connector (HA terminal-A)	SWE2	Emergency operation
CN51	Connector (Centrally control)	TB2	Terminal block (Indoor unit Power (option))
CN90	Connector (Remote operation adapter)	TB4	Terminal block (Indoor/outdoor connecting line)
FUSE	FUSE (T3.15AL250V)	TB5	Terminal block (Remote controller transmission line)
LED1	Power supply (I.B)	TH1	Room temp. Thermistor (0℃ / 15kΩ, 25℃ / 5. 4kΩ Detect)
LED2	Power supply (R.B)		
LED3	Transmission (Indoor-outdoor)	TH2	Pipe temp. Thermistor/liquid (0℃ / 15kΩ, 25℃ / 5. 4kΩ Detect)
SW1	Switch (Model selection) ※See table 1		
SW2	Switch (Capacity code) ※See table 2	TH5	Cond. / eva. temp. Thermistor (0℃ / 15kΩ, 25℃ / 5. 4kΩ Detect)
SWE	Connector (Emergency operation)		
X1	Relay (Drain pump(option))	W.B	Pcb for wireless remote controller
CNP	Drain pump (option) power supply (Sold separately:Drain pump(option))	LED1	LED (Operation indication : Green)
		LED2	LED (Preparation for heating : Orange)
CN4F	Drain float switch (Sold separately:Drain pump (option))	REC1	Receiving unit
R.B	Wired remote controller	DCL	REACTOR
TB6	Terminal block (Remote controller transmission line)	DP	DRAIN PUMP (OPTION)
		FS	DRAIN FLOAT SWITCH (OPTION)



〈Table 1〉
SW1
〈MODEL SELECTION〉

SETTING
1 2 3 4 5 ON OFF

〈Table 2〉
SW2〈CAPACITY CODE〉

MODELS	SETTING	MODELS	SETTING	MODELS	SETTING
PKA-RP60KAL	1 2 3 4 5 ON OFF	PKA-RP71KAL	1 2 3 4 5 ON OFF	PKA-RP100KAL	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

Notes:

1. Symbols used in wiring diagram above are, ○○○ :Connector, □□□ : Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires.(specification of 230V), adopting superimposed system for power and signal.

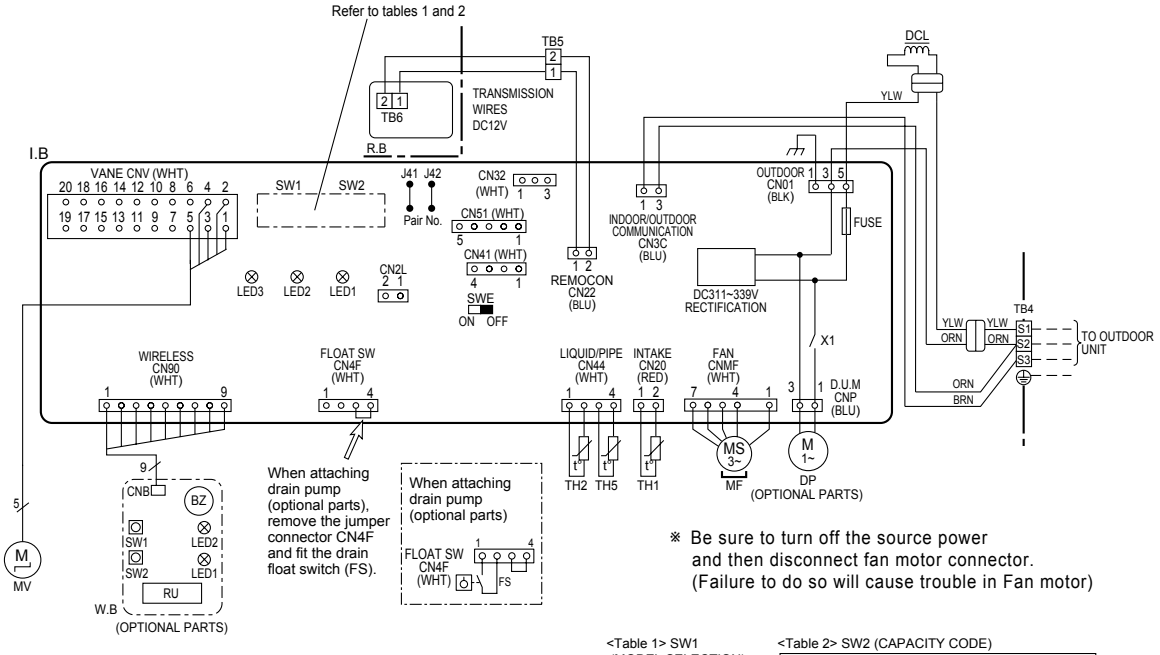
※1 If indoor and outdoor units have separate power supplies, refer to Fig 1.
※2 For power supply system of this unit, refer to the caution label located near this diagram.

PCA-RP50KA PCA-RP60KA PCA-RP71KA
PCA-RP100KA PCA-RP125KA PCA-RP140KA

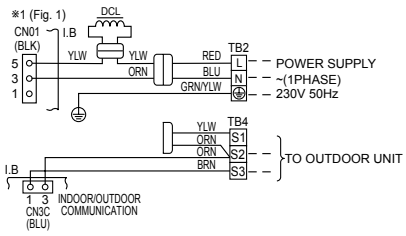
[LEGEND]

SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)
CN32	CONNECTOR (REMOTE SWITCH)
CN41	CONNECTOR (HA TERMINAL-A)
CN51	CONNECTOR (CENTRALLY CONTROL)
FUSE	FUSE (T6.3AL250V)
LED1	POWER SUPPLY (I.B)
LED2	POWER SUPPLY (R.B)
LED3	TRANSMISSION (INDOOR-OUTDOOR)
SW1	SWITCH (MODEL SELECTION) ※See table 1
SW2	SWITCH (CAPACITY CODE) ※See table 2
SWE	CONNECTOR (EMERGENCY OPERATION)
X1	RELAY (DRAIN PUMP)
R.B	WIRED REMOTE CONTROLLER BOARD
DCL	REACTOR
MF	FAN MOTOR
MV	VANE MOTOR
TB2	TERMINAL BLOCK (Indoor unit Power (optional parts))

SYMBOL	NAME
TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
TH1	ROOM TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
TH5	COND. / EVA. TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
OPTIONAL PARTS	
W.B	PCB FOR WIRELESS REMOTE CONTROLLER
BZ	BUZZER
LED1	LED (OPERATION INDICATION : GREEN)
LED2	LED (PREPARATION FOR HEATING : ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION (HEAT / DOWN)
SW2	EMERGENCY OPERATION (COOL / UP)
DP	DRAIN LIFT UP MECHANISM
FS	DRAIN FLOAT SWITCH



※ Be sure to turn off the source power and then disconnect fan motor connector. (Failure to do so will cause trouble in Fan motor)



<Table 1> SW1 (MODEL SELECTION)

SW1
Service
1 2 3 4 5 ON OFF

<Table 2> SW2 (CAPACITY CODE)

SW2			
MODELS	Service	MODELS	Service
PCA-RP50KA	1 2 3 4 5 ON OFF	PCA-RP100KA	1 2 3 4 5 ON OFF
PCA-RP60KA	1 2 3 4 5 ON OFF	PCA-RP125KA	1 2 3 4 5 ON OFF
PCA-RP71KA	1 2 3 4 5 ON OFF	PCA-RP140KA	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

Notes: 1. Symbols used in wiring diagram above are, ⊡⊡⊡ :Connector, □□□ :Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system for power and signal.

※1: If indoor and outdoor units have separate power supplies, refer to Fig. 1.

※2: For power supply system of this unit, refer to the caution label located near this diagram.

PCA-RP71HA PCA-RP125HA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
P. B	INDOOR POWER BOARD	MF1, MF2	FAN MOTOR
I. B	INDOOR CONTROLLER BOARD	C1, C2	CAPACITOR(FAN MOTOR)
FUSE	FUSE (T6.3AL250V)	H2	DEW PREVENTION HEATER
CN2L	CONNECTOR (LOSSNAY)	TB2	TERMINAL BLOCK(INDOOR UNIT
CN32	CONNECTOR (REMOTE SWITCH)		POWER (OPTION))
CN41	CONNECTOR (HA TERMINAL-A)	TB4	TERMINAL BLOCK(INDOOR/OUTDOOR
CN51	CONNECTOR (CENTRALLY CONTROLL)		CONNECTING LINE)
LED1	POWER SUPPLY (I. B)	TB5,TB6	TERMINAL BLOCK(REMOTE CONTROLLER
LED2	POWER SUPPLY (R. B)		TRANSMISSION LINE)
LED3	TRANSMISSION(INDOOR-OUTDOOR)	TH1	ROOM TEMP.THERMISTOR
X1	RELAY (DEW PREVENTION HEATER)		(0°C/15kΩ, 25°C/5.4kΩ DETECT)
X4	RELAY(FAN MOTOR)	TH2	PIPE TEMP.THERMISTOR/LIQUID
X5	RELAY(FAN MOTOR)		(0°C/15kΩ, 25°C/5.4kΩ DETECT)
X6	RELAY(FAN MOTOR)	TH5	COND./ EVA.TEMP.THERMISTOR
SW1	SWITCH (MODEL SELECTION) ※See Table 1.		(0°C/15kΩ, 25°C/5.4kΩ DETECT)
SW2	SWITCH (CAPACITY CODE) ※See Table 2.	R. B	WIRED REMOTE CONTROLLER BOARD
SWE	SWITCH (EMERGENCY OPERATION)		

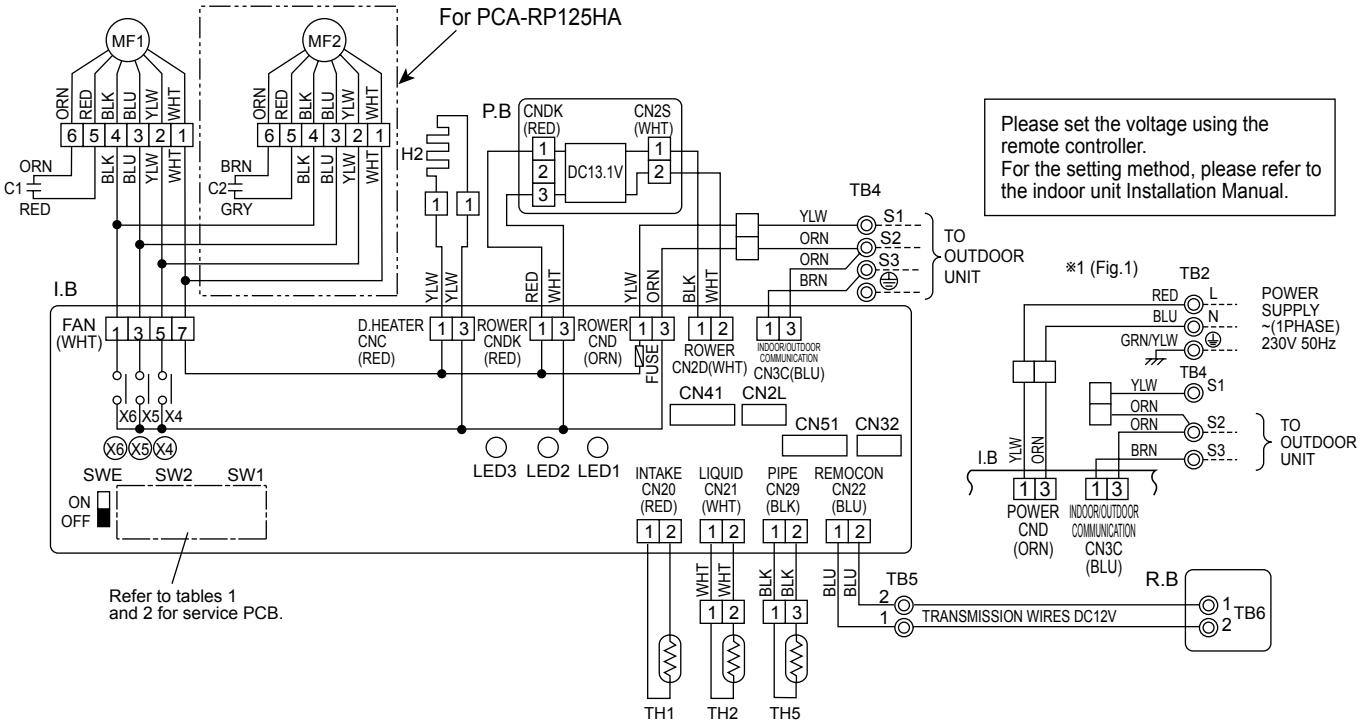


Table 1

SW1
Service board
1 2 3 4 5 ON OFF

Table 2

SW2			
MODELS	Service board	MODELS	Service board
PCA-RP71HA	1 2 3 4 5 ON OFF	PCA-RP125HA	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

Notes:
1. Symbols used in wiring diagram above are, □□□: Connector, ◎: Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system for power and signal.
   ※1: When supplying power separately to indoor and outdoor units, refer to Fig 1.
   ※2: For power supply system of this unit, refer to the caution label located near this diagram.

PSA-RP71GA PSA-RP100GA PSA-RP125GA PSA-RP140GA

[LEGEND]

SYMBOL	NAME	SYMBOL		NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	I.B	SW1	SWITCH (MODEL SELECTION)※See Table 1.	C	CAPACITOR (FAN MOTOR)
I.B	INDOOR CONTROLLER BOARD		SW2	SWITCH (CAPACITY CODE)※ See Table 2.	MF	FAN MOTOR
FUSE	FUSE (T6.3AL250V)		SWE	SWITCH (EMERGENCY OPERATION)	ML	LOUVER MOTOR
CN2L	CONNECTOR (LOSSNAY)		X2	RELAY (LOUVER)	TB2	TERMINAL BLOCK (HEATER) ※PSH-P·GAH models only or option for PSA-RP·GA models.
CN32	CONNECTOR (REMOTE SWITCH)		X4	RELAY (FAN MOTOR)		
CN41	CONNECTOR (HA TERMINAL-A)		X5	RELAY (FAN MOTOR)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN51	CONNECTOR (CENTRALLY CONTROL)		X6	RELAY (FAN MOTOR)		
LED1	POWER SUPPLY (I.B)	R.B		WIRED REMOTE CONTROLLER BOARD	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED2	POWER SUPPLY (R.B)		TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
LED3	TRANSMISSION (INDOOR-OUTDOOR)				TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
		HEATER				
			FS1,2	THERMAL FUSE (110°C16A)	TH5	COND./EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
			H	HEATER		
			26H	HEATER THERMAL SWITCH		
			88H	HEATER CONTACTOR		

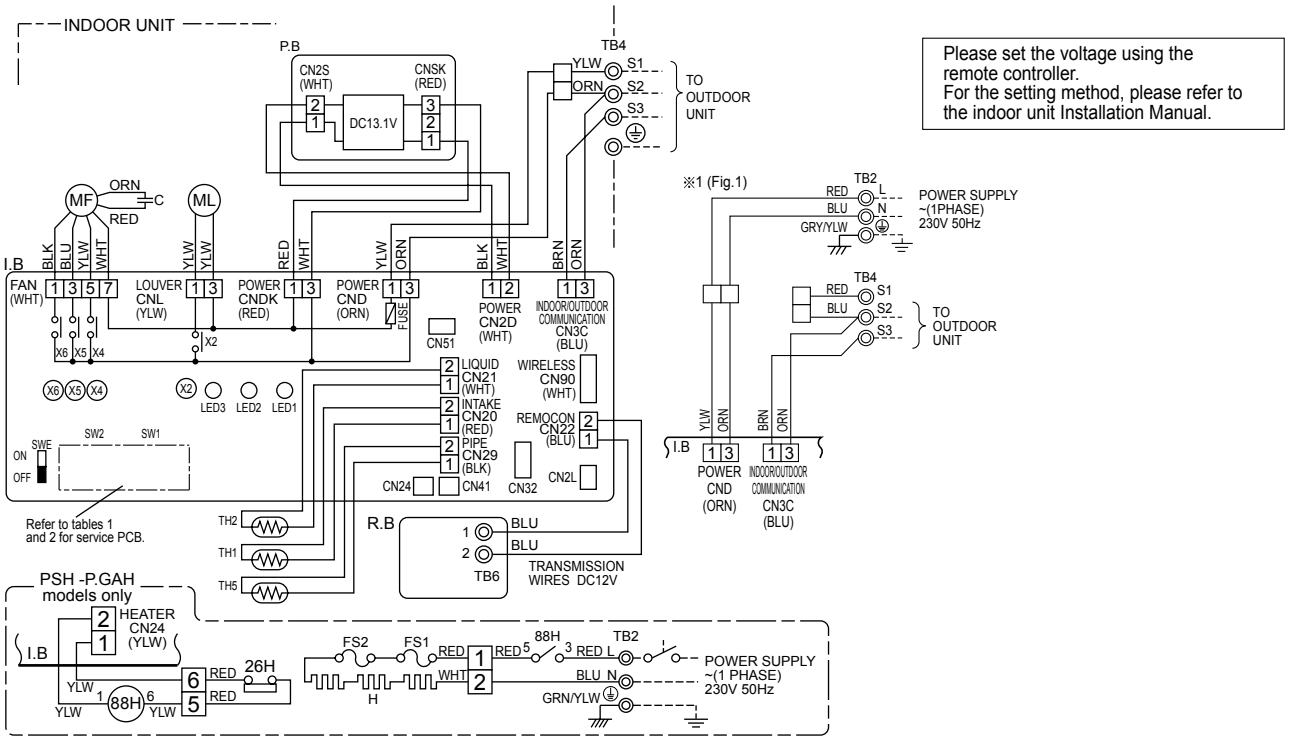


Table 1

SW2	
MODELS	Service board
PSA-RP.GA PSH-P.GAH	1 2 3 4 5 ON OFF

Table 2

SW2	
MODELS	Service board
PSA-RP71GA PSH-P71GAH	1 2 3 4 5 ON OFF
PSA-RP100GA PSH-P100GAH	1 2 3 4 5 ON OFF
PSA-RP125GA PSH-P125GAH	1 2 3 4 5 ON OFF
PSA-RP140GA PSH-P140GAH	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

Notes:

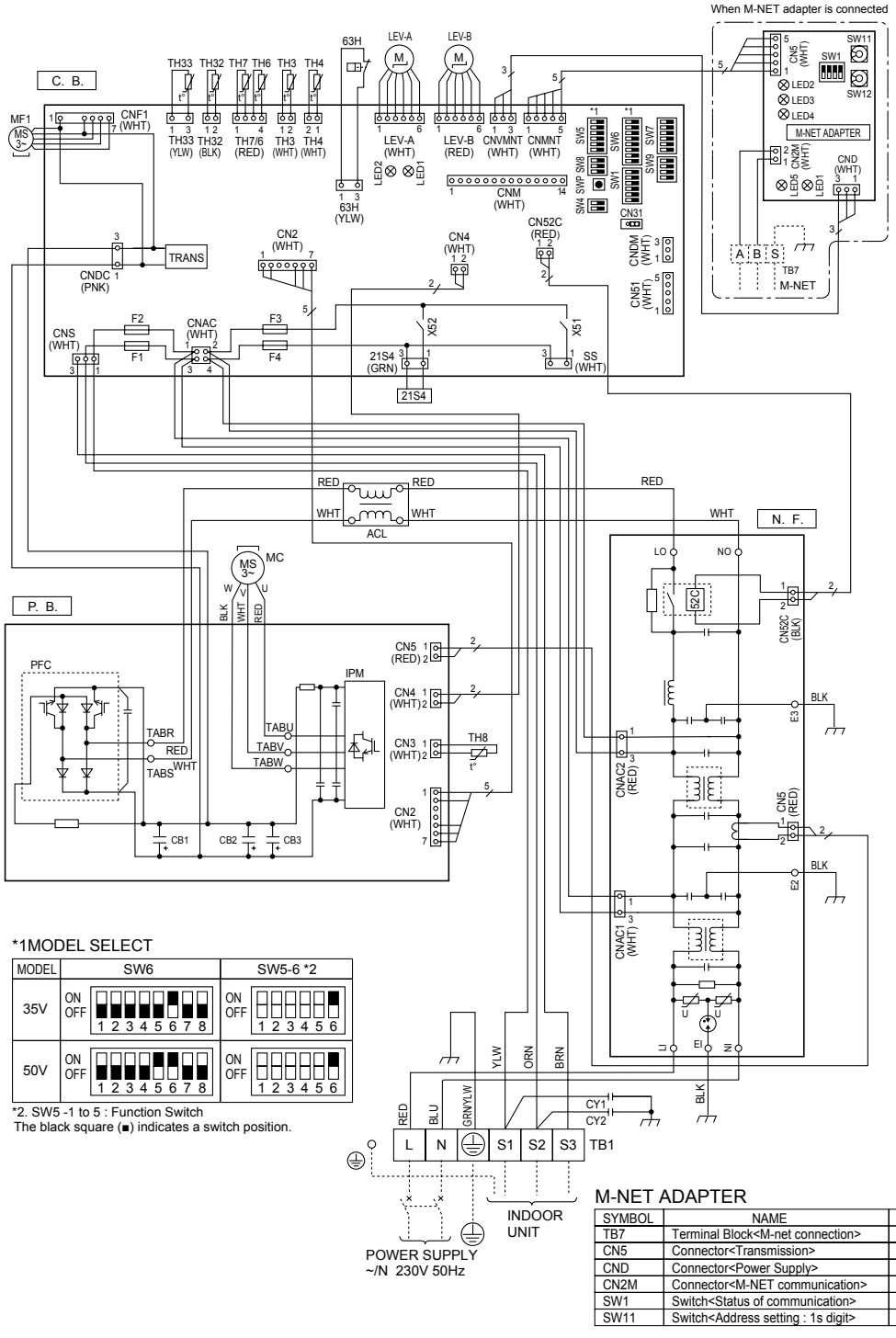
1. Symbols used in wiring diagram above are, □□□: Connector, ◎: Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system for power and signal.
   ※1: When supplying power separately to indoor and outdoor units, refer to Fig 1.
   ※2: For power supply system of this unit, refer to the caution label located near this diagram.

4-2. OUTDOOR UNIT
PUHZ-RP35VHA4 PUHZ-RP50VHA4

SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor>
MC	Motor for Compressor
MF1	Fan Motor
21S4	Solenoid Valve (Four-Way Valve)
63H	High Pressure Switch
TH3, TH33	Thermistor<Outdoor Pipe>
TH4	Thermistor<Discharge>
TH6	Thermistor<Outdoor 2-Phase Pipe>
TH7	Thermistor<Outdoor>
TH8	Thermistor<Heat Sink>
TH32	Thermistor<Shell>
LEV-A, LEV-B	Electronic Expansion Valve
ACL	Reactor
CY1,CY2	Reactor
P.B.	Power Circuit Board
TABR/S	Connection Terminal<L/N-Phase>
TABU/V/W	Connection Terminal<U/V/W-Phase>

SYMBOL	NAME
IPM	Power Module
PFC	Converter
CB1~CB3	Main Smoothing Capacitor
N.F.	Noise Filter Circuit Board
LI/LO	Connection Terminal<L-Phase>
NI/NO	Connection Terminal<N-Phase>
EI,E2,E3	Connection Terminal<Ground>
52C	52C Relay
C.B.	Controller Circuit Board
SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>
SW4	Switch<Test Operation>
SW5	Switch<Function Switch>
SW6	Switch<Model Select>
SW7	Switch<Function Setup>
SW8	Switch<Function Setup>
SW9	Switch

SYMBOL	NAME
LED1,LED2	LED <Operation Inspection Indicators>
F1~4	Fuse<T6.3AL250V>
SWP	Switch<Pump Down>
CN31	Connector<Emergency Operation>
CN51	Connector<Connection for Option>
SS	Connector<Connection for Option>
CNM	Connector<A-Control Service Inspection Kit>
CNMNT	Connector <Connected to Optional M-NET Adapter Board>
CNVMNT	Connector <Connected to Optional M-NET Adapter Board>
CNDM	Connector < Connected for Option (Contact Input)>
X51,X52	Relay



*1MODEL SELECT

MODEL	SW6	SW5-6 *2
35V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
50V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

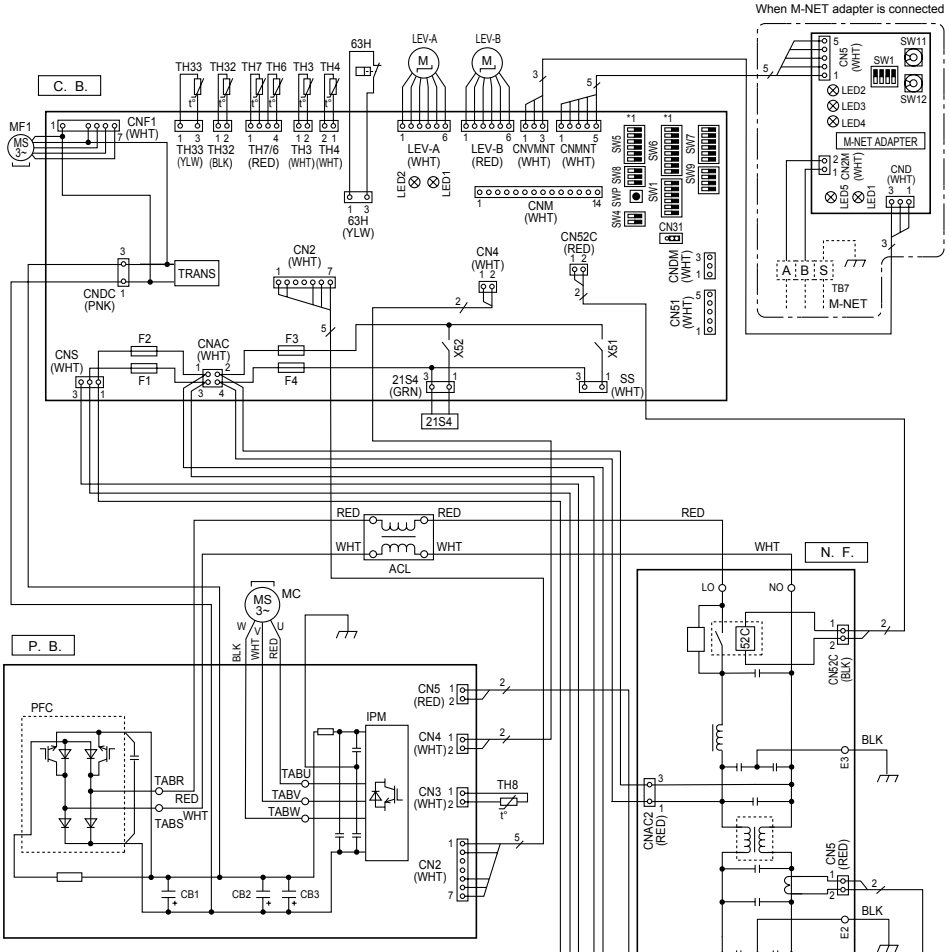
*2. SW5 -1 to 5 : Function Switch
The black square (■) indicates a switch position.

M-NET ADAPTER

SYMBOL	NAME	SYMBOL	NAME
TB7	Terminal Block<M-net connection>	SW12	Switch<Address setting : 10s digit>
CN5	Connector<Transmission>	LED1	LED<Power Supply : DC5V>
CND	Connector<Power Supply>	LED2	LED<Connection to Outdoor Unit>
CN2M	Connector<M-NET communication>	LED3	LED<Transmission : Sending>
SW1	Switch<Status of communication>	LED4	LED<Transmission : Receiving>
SW11	Switch<Address setting : 1s digit>	LED5	LED<Power Supply : DC12V>

PUHZ-RP60VHA4 PUHZ-RP71VHA4

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor>	PFC	Converter	F1~4	Fuse<T6.3AL250V>
MC	Motor for Compressor	CB1~CB3	Main Smoothing Capacitor	SWP	Switch<Pump Down>
MF1	Fan Motor	N.F.	Noise Filter Circuit Board	CN31	Connector<Emergency Operation>
21S4	Solenoid Valve (Four-Way Valve)	LI/LO	Connection Terminal<L-Phase>	CN51	Connector<Connection for Option>
63H	High Pressure Switch	NI/NO	Connection Terminal<N-Phase>	SS	Connector<Connection for Option>
TH3, TH33	Thermistor<Outdoor Pipe>	EI,E2,E3	Connection Terminal<Ground>	CNM	Connector<A-Control Service Inspection Kit>
TH4	Thermistor<Discharge>	52C	52C Relay	CNMNT	Connector <Connected to Optional M-NET Adapter Board>
TH6	Thermistor<Outdoor 2-Phase Pipe>	C.B.	Controller Circuit Board		
TH7	Thermistor<Outdoor>	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>	CNVMNT	Connector <Connected to Optional M-NET Adapter Board>
TH8	Thermistor<Heat Sink>	SW4	Switch<Test Operation>	CNDM	Connector < Connected for Option (Contact Input)>
TH32	Thermistor<Shell>	SW5	Switch<Function Switch>	X51,X52	Relay
LEV-A, LEV-B	Electronic Expansion Valve	SW6	Switch<Model Select>		
ACL	Reactor	SW7	Switch<Function Setup>		
CY1,CY2	Reactor	SW8	Switch<Function Setup>		
P.B.	Power Circuit Board	SW9	Switch		
TABR/S	Connection Terminal<L/N-Phase>	LED1,LED2	LED <Operation Inspection Indicators>		
TABU/V/W	Connection Terminal<U/V/W-Phase>				
IPM	Power Module				



*1MODEL SELECT

MODEL	SW6	SW5-6 *2
60V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
71V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

*2. SW5 -1 to 5 : Function Switch
The black square (■) indicates a switch position.

M-NET ADAPTER

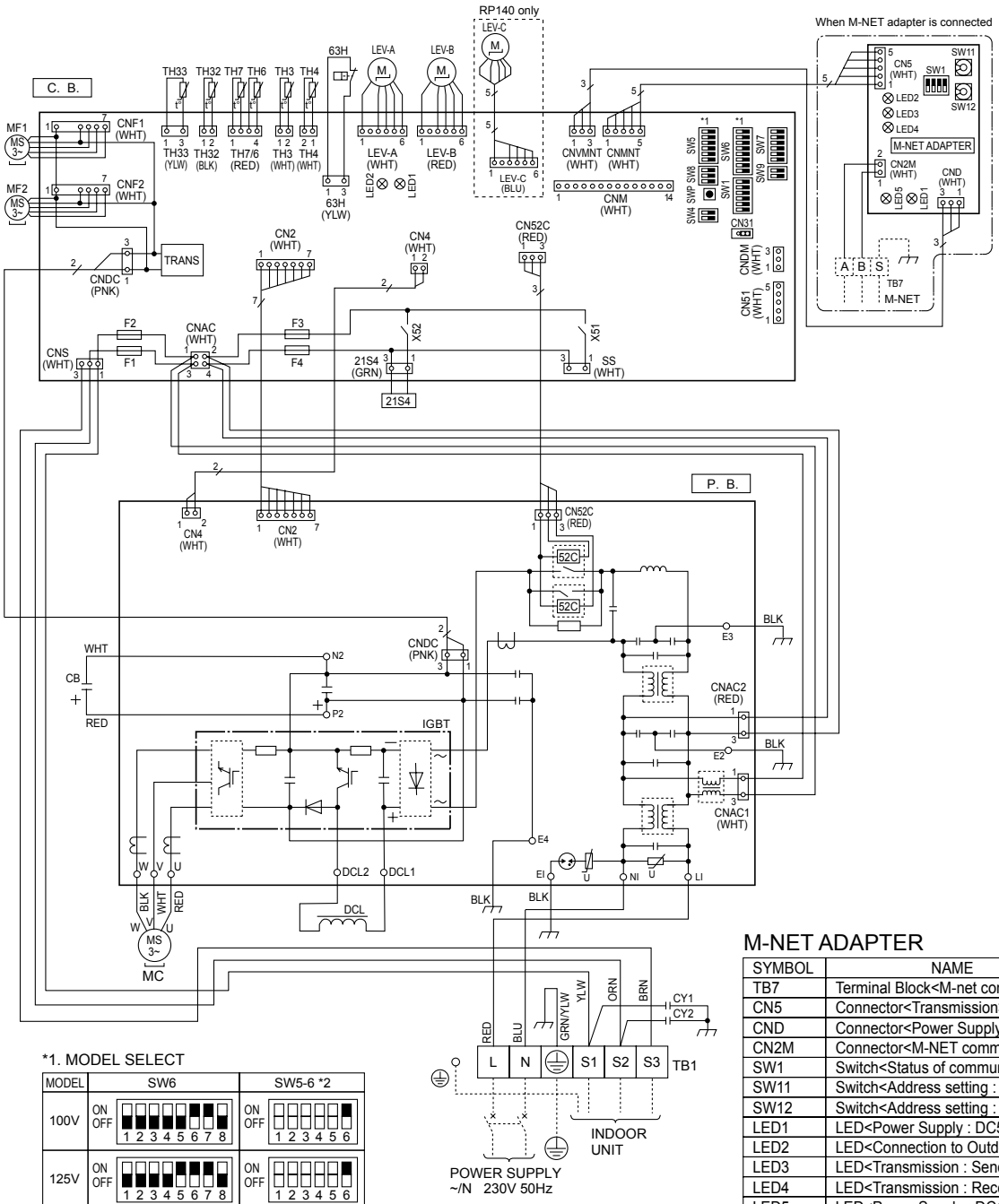
SYMBOL	NAME	SYMBOL	NAME
TB7	Terminal Block<M-net connection>	SW12	Switch<Address setting : 10s digit>
CN5	Connector<Transmission>	LED1	LED<Power Supply : DC5V>
CND	Connector<Power Supply>	LED2	LED<Connection to Outdoor Unit>
CN2M	Connector<M-NET communication>	LED3	LED<Transmission : Sending>
SW1	Switch<Status of communication>	LED4	LED<Transmission : Receiving>
SW11	Switch<Address setting : 1s digit>	LED5	LED<Power Supply : DC12V>

PUHZ-RP100VKA PUHZ-RP125VKA PUHZ-RP140VKA

SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor >
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve (Four-Way Valve)
63H	High Pressure Switch
TH3, TH33	Thermistor<Outdoor Pipe>
TH4	Thermistor<Discharge>
TH6	Thermistor<Outdoor 2-Phase Pipe>
TH7	Thermistor<Outdoor>
TH32	Thermistor<Shell>
LEV-A, LEV-B, LEV-C	Electronic Expansion Valve
DCL	Reactor
CB	Main Smoothing Capacitor
CY1,CY2	Capacitor
P.B.	Power Circuit Board
U/V/W	Connection Terminal<U/V/W-Phase>

SYMBOL	NAME
LI	Connection Terminal<L-Phase>
NI	Connection Terminal<N-Phase>
P2	Connection Terminal
N2	Connection Terminal
DCL1,DCL2	Connection Terminal<Reactor>
IGBT	Power Module
EI,E2,E3,E4	Connection Terminal<Ground>
C.B.	Controller Circuit Board
SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>
SW4	Switch<Test Operation>
SW5	Switch<Function Switch>
SW6	Switch<Model Select>
SW7	Switch<Function Setup>
SW8	Switch<Function Setup>
SW9	Switch

SYMBOL	NAME
SWP	Switch<Pump Down>
CN31	Connector<Emergency Operation>
CN51	Connector<Connection for Option>
SS	Connector<Connection for Option>
CNM	Connector<A-Control Service Inspection Kit>
CNMNT	Connector <Connected to Optional M-NET Adapter Board>
CNVMNT	Connector <Connected to Optional M-NET Adapter Board>
CNDM	Connector < Connected for Option (Contact Input)>
LED1, LED2	LED<Operation Inspection Indicators>
F1~F4	Fuse< T6.3AL250V>
X51,X52	Relay



*1. MODEL SELECT

MODEL	SW6	SW5-6 *2
100V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
125V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
140V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

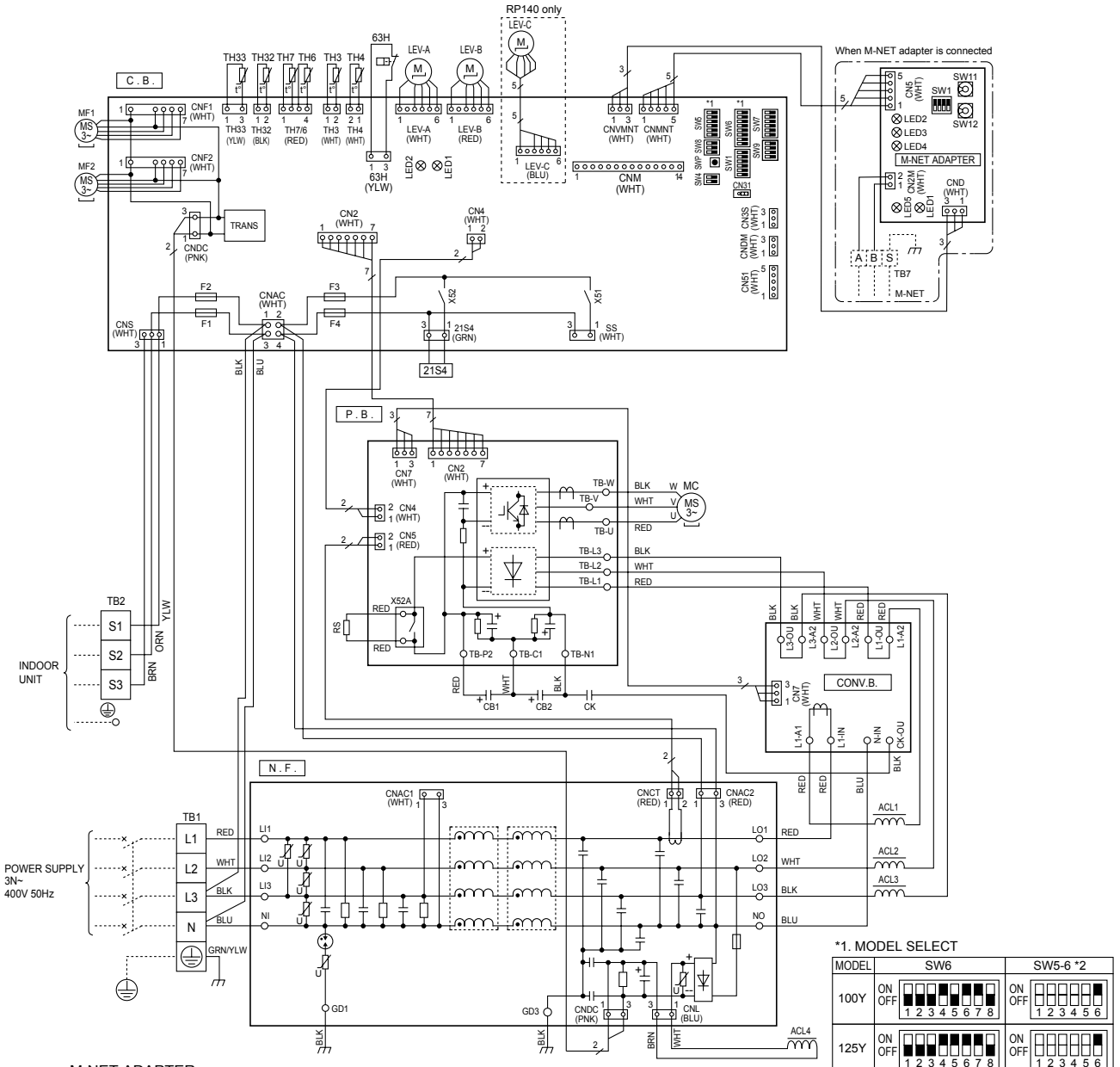
*2. SW5 -1 to 5 : Function Switch
The black square (■) indicates a switch position.

M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block<M-net connection>
CN5	Connector<Transmission>
CND	Connector<Power Supply>
CN2M	Connector<M-NET communication>
SW1	Switch<Status of communication>
SW11	Switch<Address setting : 1s digit>
SW12	Switch<Address setting : 10s digit>
LED1	LED<Power Supply : DC5V>
LED2	LED<Connection to Outdoor Unit>
LED3	LED<Transmission : Sending>
LED4	LED<Transmission : Recelving>
LED5	LED<Power Supply : DC12V>

PUHZ-RP100YKA PUHZ-RP125YKA PUHZ-RP140YKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply >	TB-P2	Connection Terminal	SW5	Switch<Function Switch>
TB2	Terminal Block<Indoor/Outdoor >	TB-C1	Connection Terminal	SW6	Switch<Model Select>
MC	Motor for Compressor	TB-N1	Connection Terminal	SW7	Switch<Function Setup>
MF1, MF2	Fan Motor	X52A	52C Relay	SW8	Switch<Function Setup>
21S4	Solenoid Valve (Four-Way Valve)	N.F.	Noise Filter Circuit Board	SW9	Switch
63H	High Pressure Switch	LI1/LI2/LI3/NI	Connection Terminal<L1/L2/L3/N-Power Supply>	SWP	Switch<Pump Down>
TH3, TH33	Thermistor<Outdoor Pipe>	LO1/LO2/LO3/NO	Connection Terminal<L1/L2/L3/N-Power Supply>	CN31	Connector<Emergency Operation>
TH4	Thermistor<Discharge>	GD1, GD3	Connection Terminal<Ground>	LED1,LED2	LED<Operatiion Inspection Indicators>
TH6	Thermistor<Outdoor 2-Phase Pipe>	CONV.B.	Converter Circuit Board	F1~F4	FUSE<T6.3AL250V>
TH7	Thermistor<Outdoor>	L1-A1/IN	Connection Terminal<L1-Power Supply>	CNM	Connector<A-Control Service Inspection Kit>
TH32	Thermistor<Shell>	L1-A2/OU	Connection Terminal<L1-Power Supply>	CNMNT	Connector<Connect to Optional M-NET Adapter Board>
LEV-A,LEV-B,LEV-C	Electronic Expansion Valve	L2-A2/OU	Connection Terminal<L2-Power Supply>		
ACL1~ACL4	Reactor	L3-A2/OU	Connection Terminal<L3-Power Supply>	CNVMNT	Connector<Connect to Optional M-NET Adapter Board>
CB1, CB2	Main Smoothing Capacitor	N-IN	Connection Terminal		
CK	Capacitor	CK-OU	Connection Terminal	CNDM	Connector< Connection for Option(Contact Input)>
RS	Rush Current Protect Resistor	C.B.	Controller Circuit Board	CN3S	Connector< Connection for Option>
P.B.	Power Circuit Board	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Adress>	CN51	Connector< Connection for Option>
TB-U/V/W	Connection Terminal<U/V/W-Phase>				
TB-L1/L2/L3	Connection Terminal<L1/L2/L3-Power Supply>	SW4	Switch<Test Operation>	X51,X52	Relay



M-NET ADAPTER

TB7	Terminal Block<M-NET connection >	SW12	Switch<Address setting. 10s digit >
CN5	Connector<Transmission>	LED1	LED<Power Supply: DC5V>
CND	Connector<Power Supply>	LED2	LED<Connection to Outdoor Unit>
CN2M	Connector<M-NET communication>	LED3	LED<Transmission: Sending>
SW1	Switch<Status of communication>	LED4	LED<Transmission: Receiving>
SW11	Switch<Address setting: 1s digit>	LED5	LED<Power Supply: DC12V>

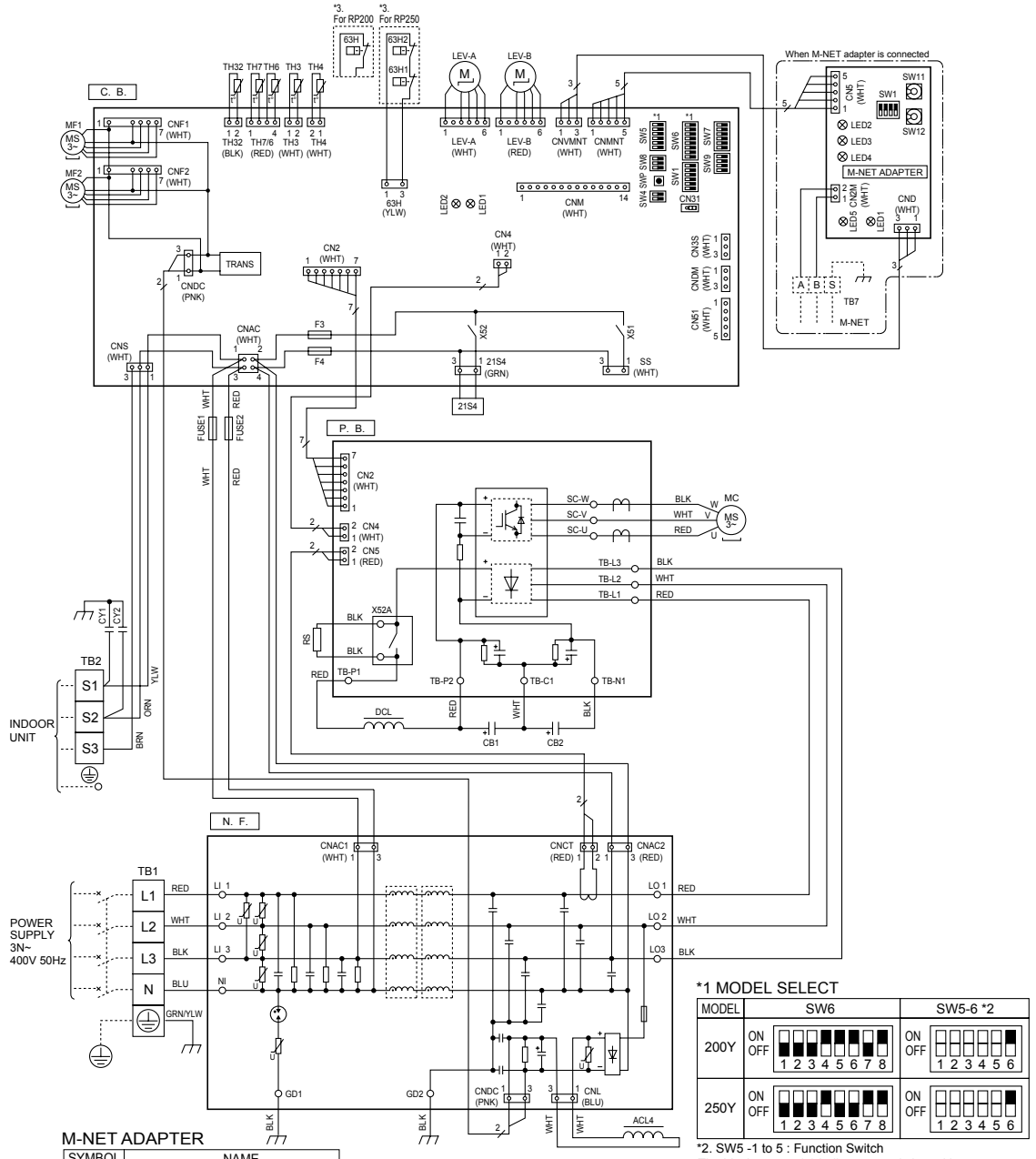
*1. MODEL SELECT

MODEL	SW6	SW5-6 *2
100Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
125Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
140Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

*2. SW5 -1 to 5 : Function Switch
The black square (■) indicates a switch position.

PUHZ-RP200YKA PUHZ-RP250YKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply>	P.B.	Power Circuit Board	SW7	Switch<Function Setup>
TB2	Terminal Block<Indoor/Outdoor>	SC-U/V/W	Connection Terminal<U/V/W-Phase>	SW8	Switch<Function Setup>
MC	Motor for Compressor	TB-L1/L2/L3	Connection Terminal<L1/L2/L3-Power supply>	SW9	Switch
MF1,MF2	Fan Motor	TB-P1	Connection Terminal	SWP	Switch<Pump Down>
21S4	Solenoid Valve (Four-Way Valve)	TB-P2	Connection Terminal	CN31	Connector<Emergency Operation>
63H,63H1,63H2	High Pressure Switch	TB-C1	Connection Terminal	LED1,LED2	LED<Operation Inspection Indicators>
TH3	Thermistor<Outdoor Pipe>	TB-N1	Connection Terminal	F3,F4	Fuse< T6.3AL250V>
TH4	Thermistor<Discharge>	X52A	52C Relay	SS	Connector<Connection for Option>
TH6	Thermistor<Outdoor 2-Phase Pipe>	N.F.	Noise Filter Circuit Board	CNM	Connector<A-Control Service Inspection Kit>
TH7	Thermistor<Outdoor>	LI1/ LI2/LI3/NI	Connection Terminal<L1/L2/L3/NI-Power supply>	CNMNT	Connector <Connected to Optional M-NET Adapter Board>
TH32	Thermistor<Shell>	LO1/ LO2/LO3	Connection Terminal<L1/L2/L3-Power supply>		
LEV-A,LEV-B	Electronic Expansion Valve	GD1,GD2	Connection Terminal<Ground>	CNVMNT	Connector <Connected to Optional M-NET Adapter Board>
ACL4	Reactor	C.B.	Controller Circuit Board		
DCL	Reactor	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector < Connected for Option (Contact Input)>
CB1,CB2	Main Smoothing Capacitor				
RS	Rush Current Protect Resistor	SW4	Switch<Test Operation>	CN3S	Connector<Connection for Option>
FUSE1, FUSE2	Fuse<T15AL250V>	SW5	Switch<Function Switch>	CN51	Connector<Connection for Option>
CY1,CY2	Capacitor	SW6	Switch<Model Select>	X51,X52	Relay



*1 MODEL SELECT

MODEL	SW6	SW5-6 *2
200Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
250Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

*2. SW5 -1 to 5 : Function Switch
The black square (■) indicates a switch position.

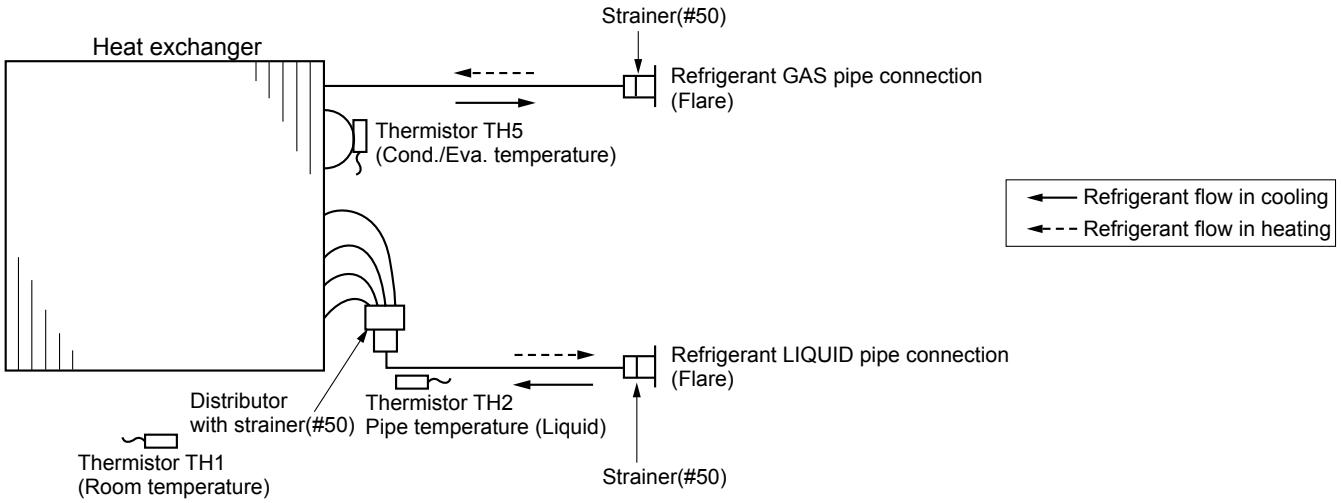
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block(M-NET connection)
CN5	Connector<Transmission>
CND	Connector<Power Supply>
CN2M	Connector<M-NET communication>
SW1	Switch<Status of communication>
SW11	Switch<Address setting:1s digit>
SW12	Switch<Address setting:10s digit>
LED1	LED<Power Supply:DC5V>
LED2	LED<Connection to Outdoor Unit>
LED3	LED<Transmission:Sending>
LED4	LED<Transmission:Receiving>
LED5	LED<Power Supply:DC12V>

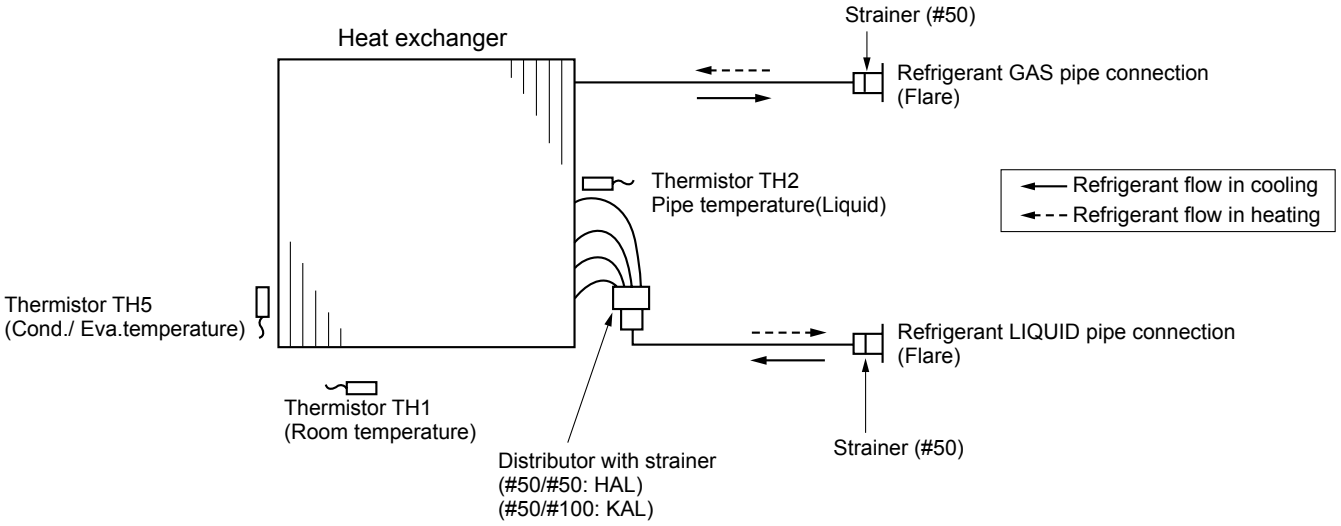
5 REFRIGERANT SYSTEM DIAGRAM

5-1. INDOOR UNIT

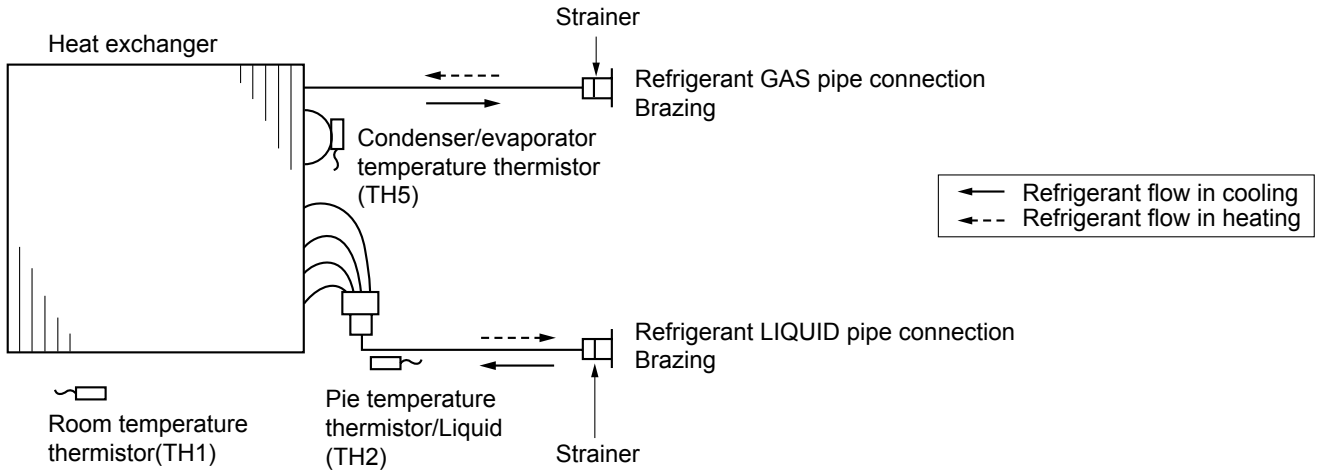
PLA-RP·BA/BA2/BA3 PEAD-RP·JA(L)
PCA-RP·KA PCA-RP·HA PSA-RP·GA



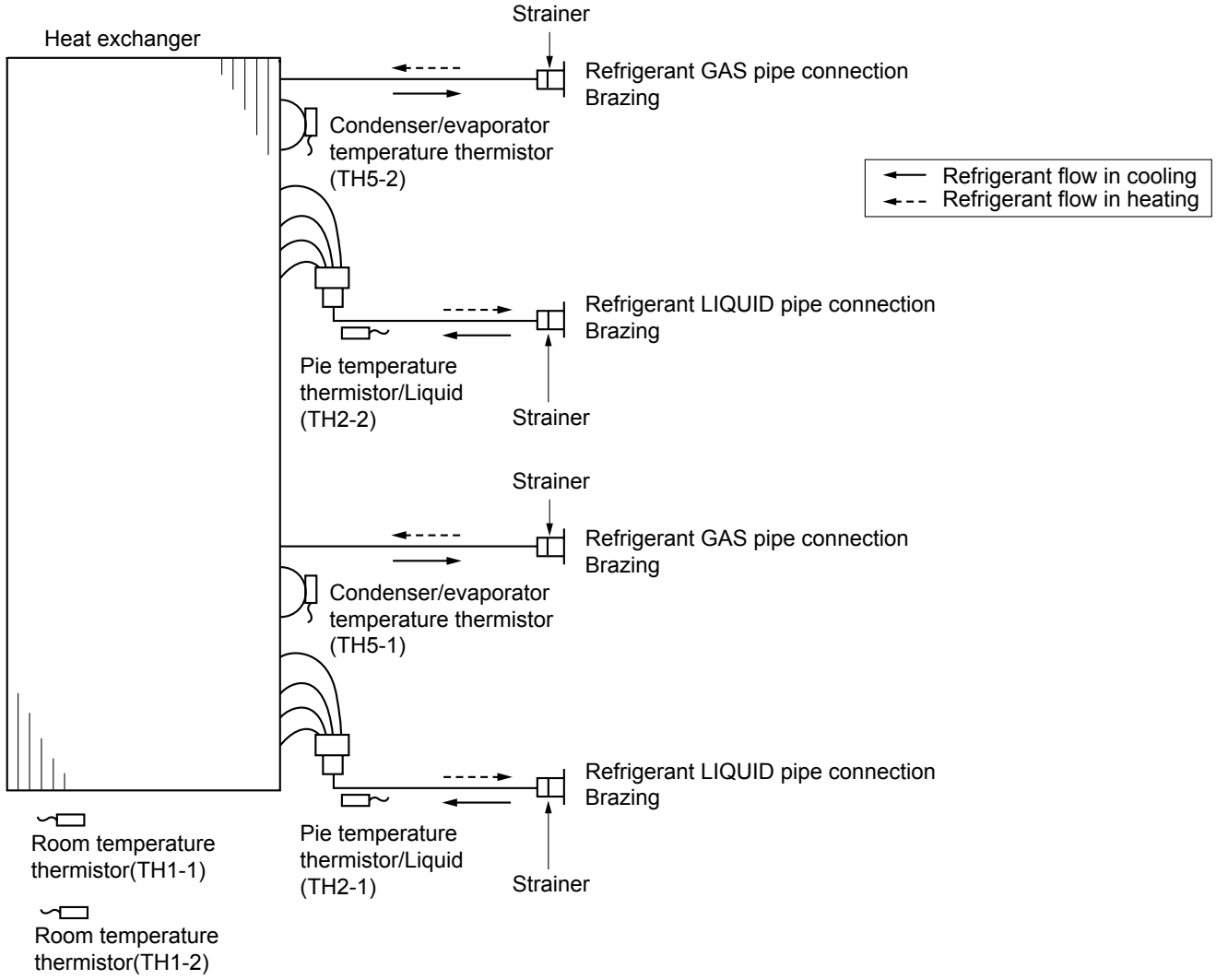
PKA-RP·HAL
PKA-RP·KAL



PEA-RP200, 250GA



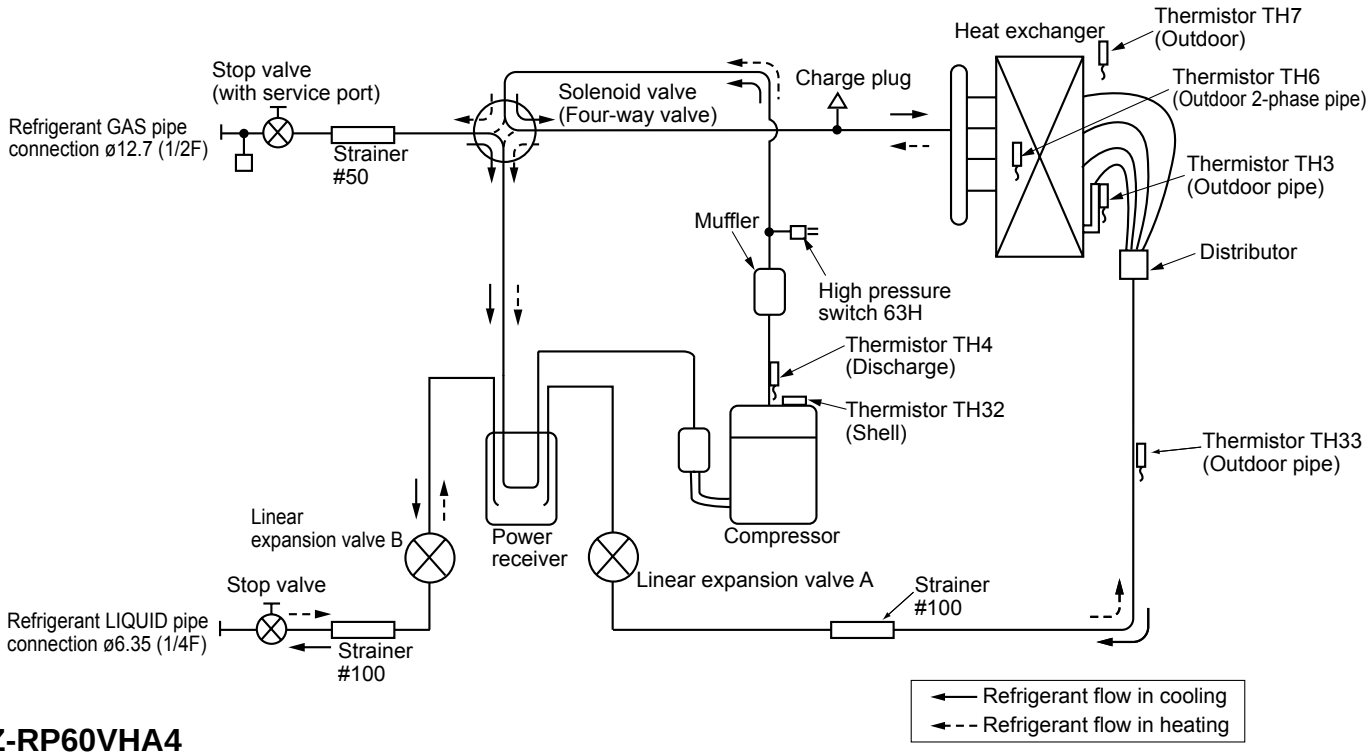
PEA-RP400GA PEA-RP500GA



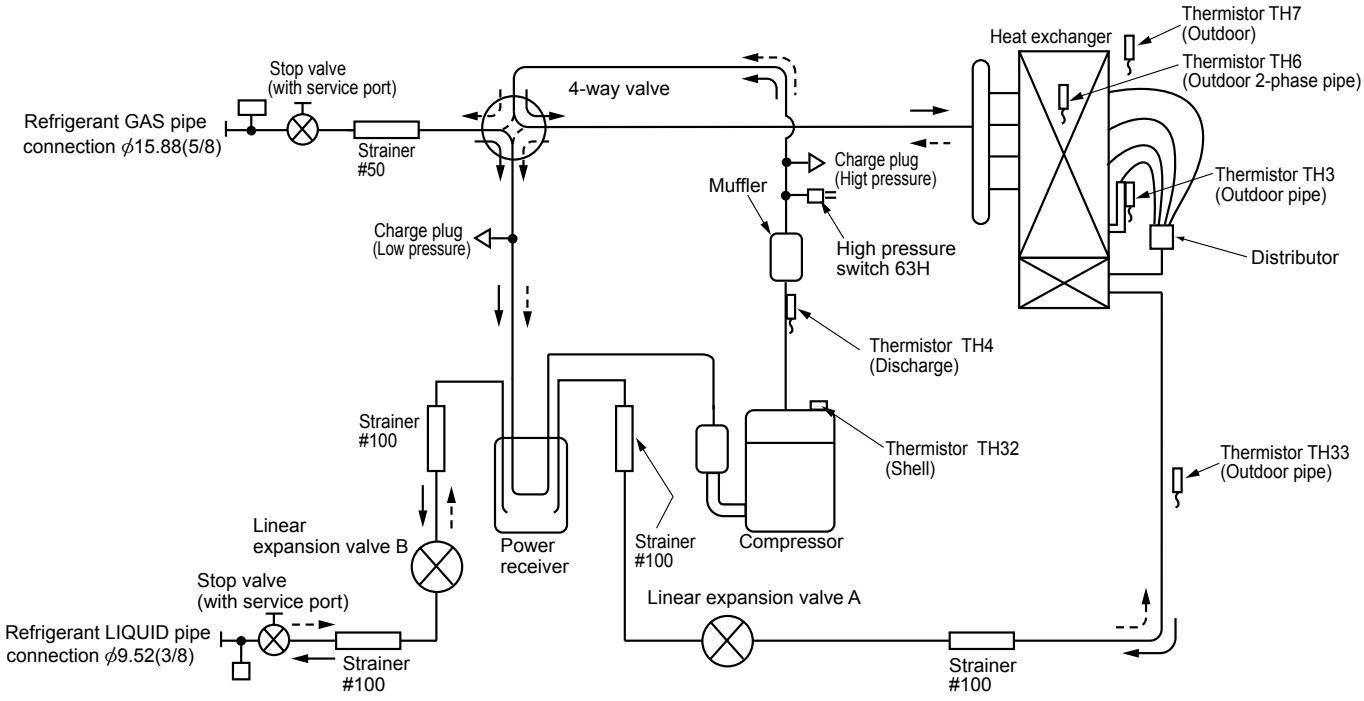
5-2. OUTDOOR UNIT

unit: mm(inch)

PUHZ-RP35VHA4
PUHZ-RP50VHA4

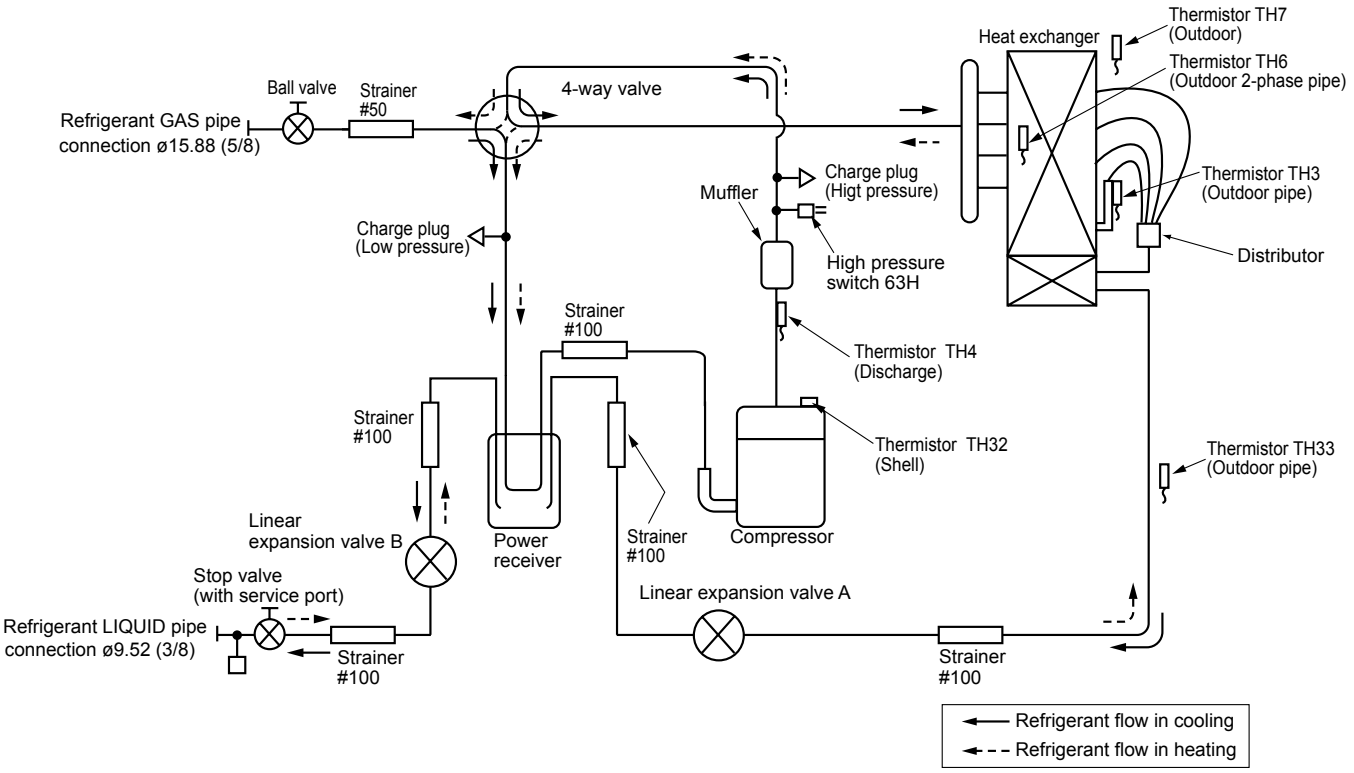


PUHZ-RP60VHA4
PUHZ-RP71VHA4

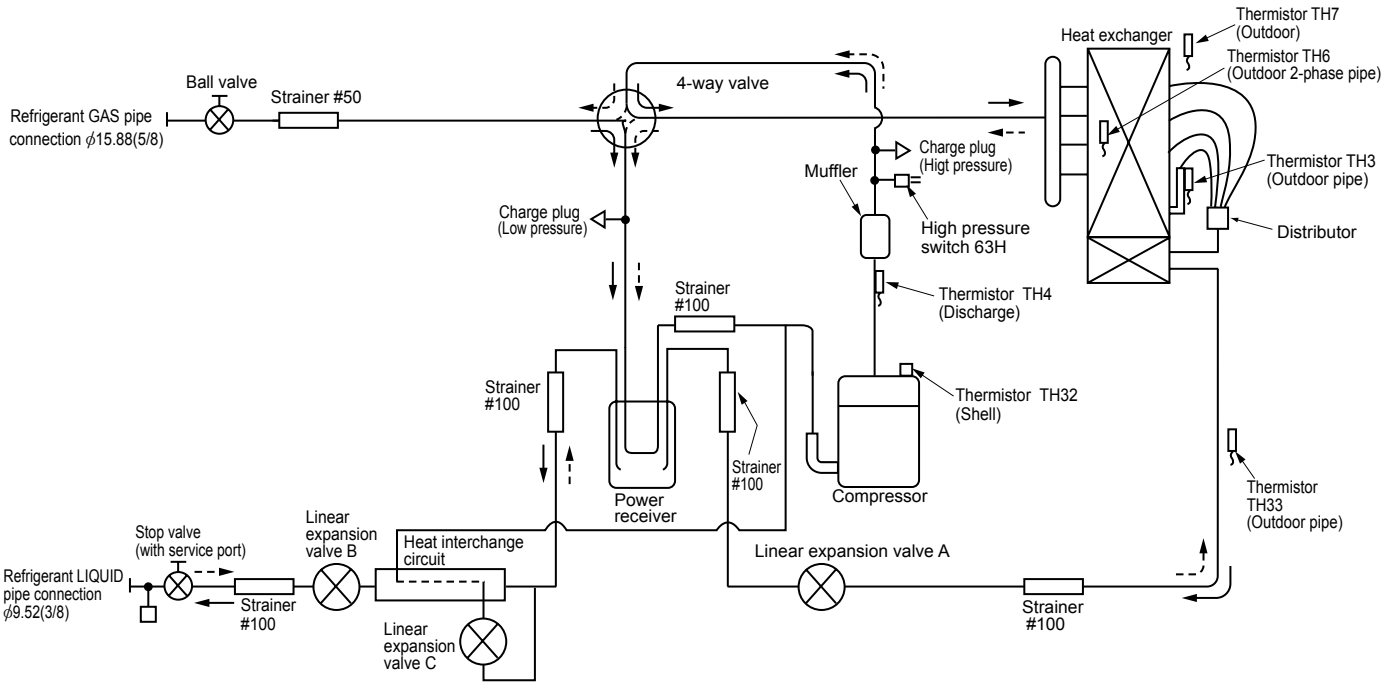


PUHZ-RP100VKA **PUHZ-RP125VKA**
PUHZ-RP100YKA **PUHZ-RP125YKA**

unit: mm(inch)

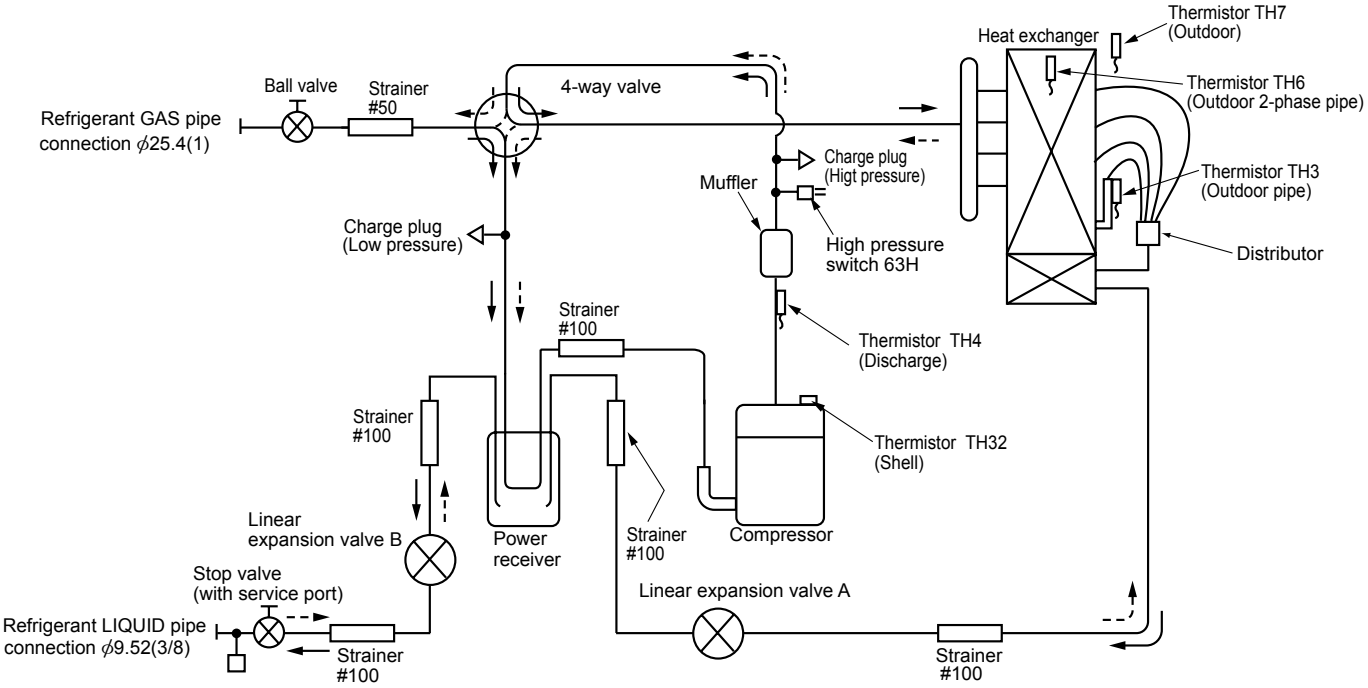


PUHZ-RP140VKA **PUHZ-RP140YKA**

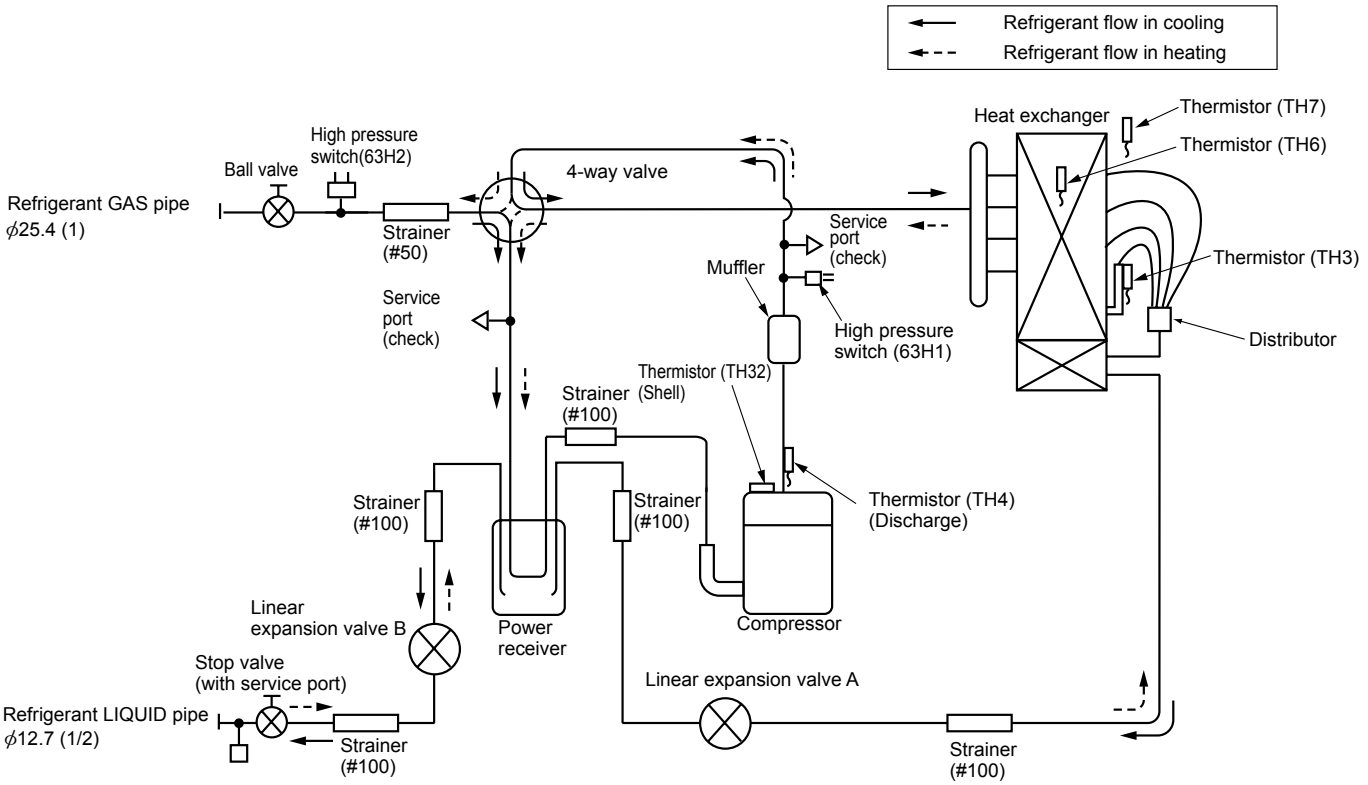


PUHZ-RP200YKA

unit: mm(inch)



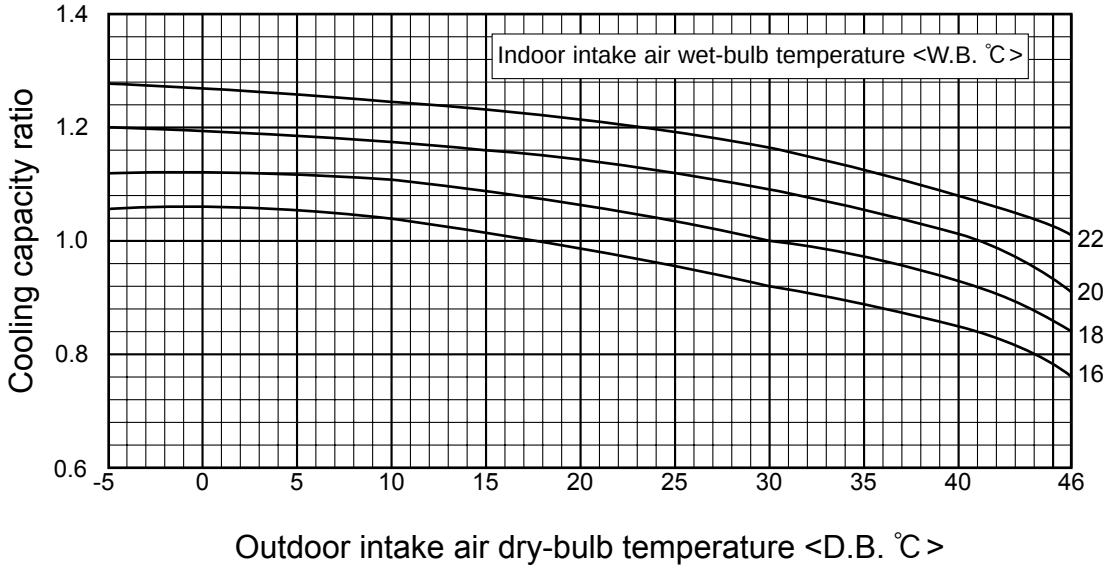
PUHZ-RP250YKA



6 PERFORMANCE CURVES

FOR THE COMBINATION OF OUTDOOR UNIT

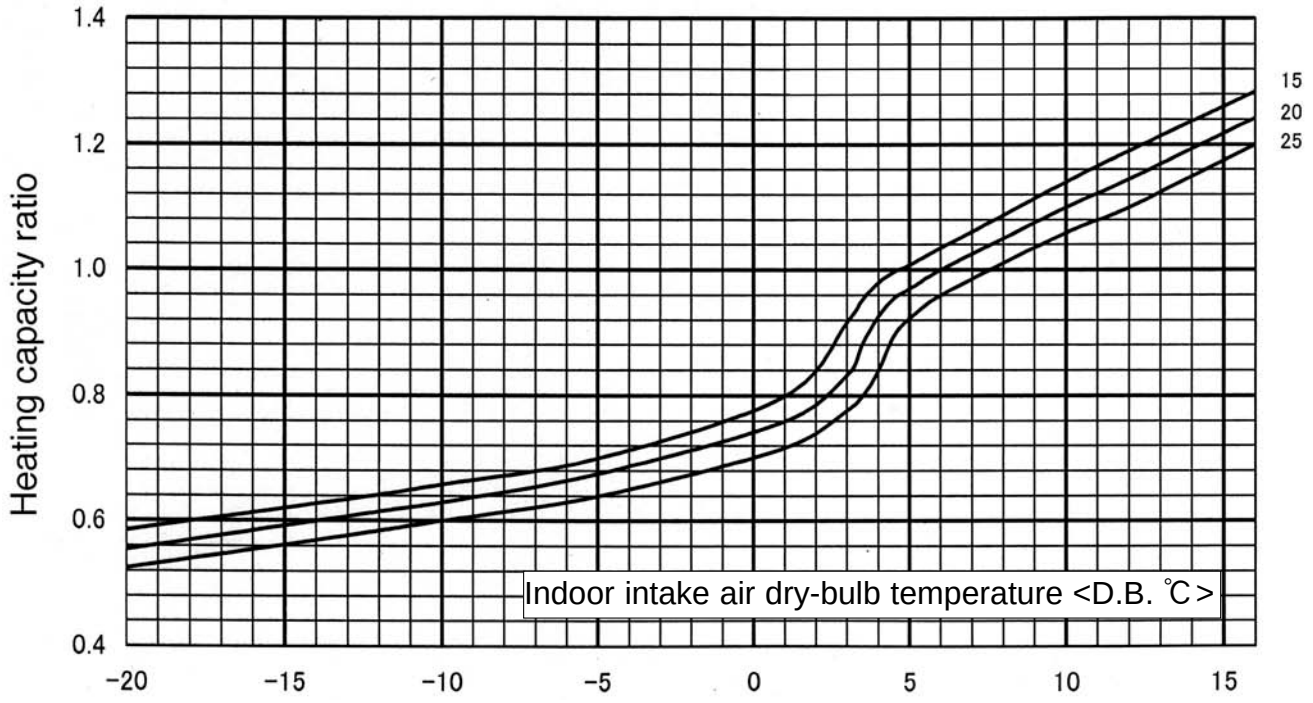
Cooling capacity



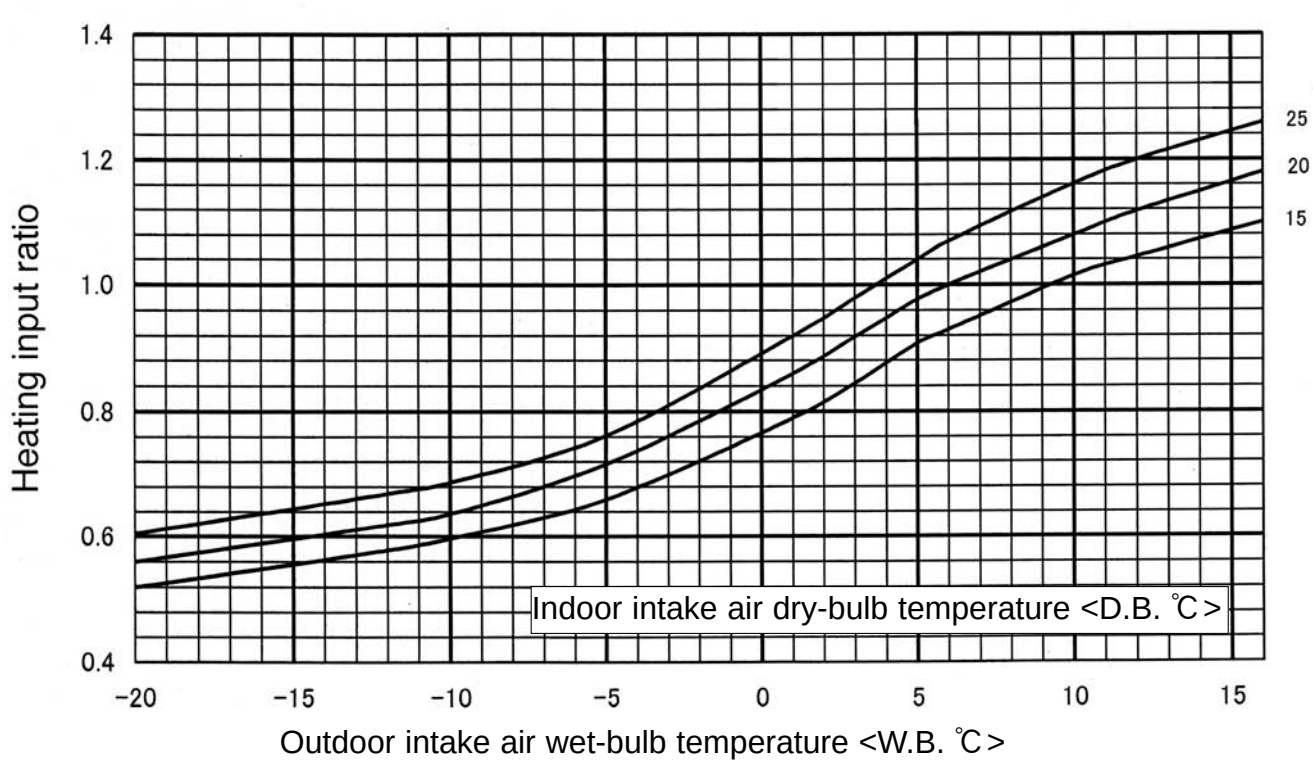
Cooling input

Note : These diagrams show the case where the operation frequency of a compressor is fixed.

Heating capacity



Heating input



Note : These diagrams show the case where the operation frequency of a compressor is fixed.

7 CORRECTION FACTORS

7-1. PUHZ-RP·VHA4 PUHZ-RP·VKA PUHZ-RP100-140YKA

Cooling capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	20m	30m	40m	50m	55m	60m	70m	80m
PUHZ-RP35VHA4	1.00	0.992	0.976	0.962	0.949	0.936	0.930	—	—	—
PUHZ-RP50VHA4	1.00	0.985	0.957	0.931	0.908	0.886	0.876	—	—	—
PUHZ-RP60VHA4	1.00	0.992	0.976	0.962	0.949	0.936	0.930	—	—	—
PUHZ-RP71VHA4	1.00	0.988	0.966	0.946	0.929	0.913	0.905	—	—	—
PUHZ-RP100VKA PUHZ-RP100YKA	1.00	0.985	0.957	0.931	0.908	0.886	0.876	0.865	0.846	0.829
PUHZ-RP125VKA PUHZ-RP125YKA	1.00	0.981	0.946	0.914	0.885	0.858	0.845	0.834	0.812	0.792
PUHZ-RP140VKA PUHZ-RP140YKA	1.00	0.976	0.931	0.893	0.858	0.827	0.813	0.800	0.775	0.753

Heating capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	20m	30m	40m	50m	55m	60m	70m	80m
PUHZ-RP35VHA4	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP50VHA4	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP60VHA4	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP71VHA4	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP100VKA PUHZ-RP100YKA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP125VKA PUHZ-RP125YKA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP140VKA PUHZ-RP140YKA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955

7-2. PUHZ-RP200, 250YKA

Cooling capacity correction factors

Outdoor unit	Refrigerant piping length (one way)							
	5m	10m	20m	30m	40m	50m	55m	60m
PUHZ-RP200YKA	1.00	0.985	0.958	0.931	0.908	0.887	0.876	0.865
PUHZ-RP250YKA	1.00	0.981	0.946	0.914	0.885	0.858	0.845	0.834

Outdoor unit	Refrigerant piping length (one way)							
	70m	75m	80m	90m	100m	110m	120m	125m
PUHZ-RP200YKA	0.847	0.838	0.829	0.815	0.800	0.790	0.780	0.778
PUHZ-RP250YKA	0.812	0.802	0.792	0.772	0.758	0.743	0.730	0.725

Heating capacity correction factors

Outdoor unit	Refrigerant piping length (one way)							
	5m	10m	20m	30m	40m	50m	55m	60m
PUHZ-RP200YKA PUHZ-RP250YKA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967

Outdoor unit	Refrigerant piping length (one way)							
	70m	75m	80m	90m	100m	110m	120m	125m
PUHZ-RP200YKA PUHZ-RP250YKA	0.961	0.958	0.955	0.949	0.943	0.937	0.931	0.928

8 APPLICABLE EXTENSION PIPE FOR EACH MODEL

8-1. PUHZ-RP·VHA4 PUHZ-RP·VKA PUHZ-RP100-140YKA

8-1-1. PIPE LENGTH

(1) 1:1 SYSTEM

Pipe length

<Table 1> Maximum pipe length

Liquid pipe (mm)	OD	ϕ6.35			ϕ9.52			ϕ12.7	
	Thickness	t0.8			t0.8			t0.8	
Gas pipe (mm)	OD	ϕ9.52	ϕ12.7	ϕ15.88	ϕ12.7	ϕ15.88	ϕ19.05	ϕ15.88	ϕ19.05
	Thickness	t0.8	t0.8	t1.0	t0.8	t1.0	t1.0	t1.0	t1.0
RP35•50		□ 30m ※1 [30m]	Standard size 50m [30m]	○ ※2 30m [30m]	△ 30m [20m]	△※2 30m [20m]			
RP60•71			□ 10m [10m]	○ 10m [10m]	□ 30m [30m]	Standard size 50m [30m]		△ 30m [20m]	
RP100~140						Standard size 50m ※3 [30m]	○ 50m [30m]	△ 50m [20m]	△ 50m [20m]

<Marks in the table>

○: It can be used.
□: Cooling capacity is lowered.
△: Additional refrigerant charge is required when the pipe length exceeds 20m.

50m [30m] — The maximum pipe length / Charge-less pipe length

※1. RP50 : maximum pipe length is 10m.
※2. Change the SW8-1 on the outdoor controller circuit board from OFF to ON.
※3. The maximum length is 75m in case of new pipes.

(2) TWIN AND TRIPLE SYSTEM

(a) TWIN SYSTEM

<Table 2> Maximum pipe length

			RP71(RP35×2)		RP100(RP50×2)			RP125(RP60×2) • RP140(RP71×2)		
Main pipe (mm) [A]	Liquid pipe		ϕ6.35	ϕ9.52	ϕ9.52	ϕ9.52	ϕ12.7	ϕ9.52	ϕ9.52	ϕ12.7
	Gas pipe		ϕ12.7	ϕ15.88	ϕ15.88	ϕ19.05	ϕ19.05	ϕ15.88	ϕ19.05	ϕ19.05
Branch pipe (mm) [B, C]	Liquid pipe	ϕ6.35		Standard size 50m [30m]	Standard size 50m ※ [30m]	○ 50m [30m]	△ 50m [20m]			
	Gas pipe	ϕ12.7								
	Liquid pipe	ϕ9.52		○ 50m [30m]	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]	Standard size 50m ※ [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ϕ15.88								
	Liquid pipe	ϕ12.7								
	Gas pipe	ϕ19.05								

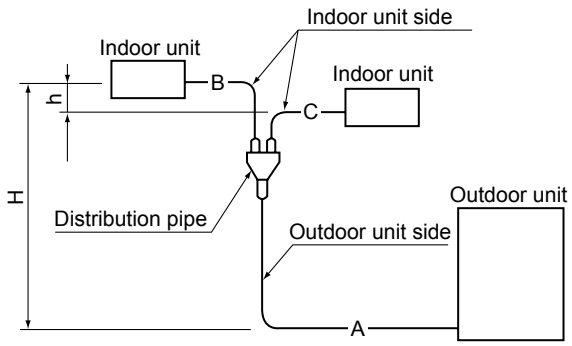
※ The maximum length is 75m in case of new pipes.

(b) TRIPLE SYSTEM

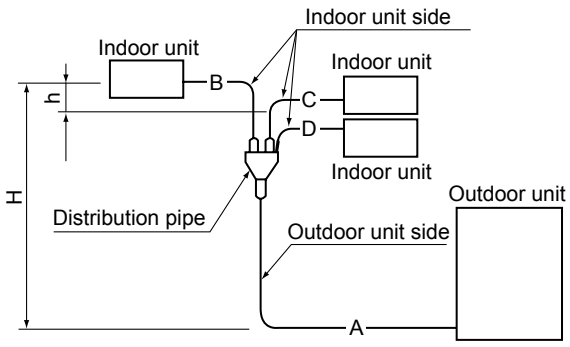
<Table 3> Maximum pipe length

			RP140(RP50×3)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D]	Liquid pipe	ø6.35	Standard size 50m ※ [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø15.88			
	Liquid pipe	ø12.7			
	Gas pipe	ø19.05			

※ The maximum length is 75m in case of new pipes.



<TWIN SYSTEM>
Total length A + B + C
RP71 : 50 m
RP100-140: 75 m



<TRIPLE SYSTEM>
Total length A + B + C + D
RP140: 75 m

8-1-2. ADJUSTING THE AMOUNT OF REFRIGERANT

• Check additional refrigerant charging amount referring to table 5, 6 when liquid pipe is 1 size larger than standard diameter.

<Table 5> Required additional charge when the pipe size is 1 size larger than the standard diameter (1:1 SYSTEM)

Outdoor unit	Liquid pipe O.D.	Refrigerant amount to be added
PUHZ-RP35,50	ϕ9.52	60 g per 1 m
PUHZ-RP60,71	ϕ12.7	100 g per 1 m
PUHZ-RP100~140	ϕ12.7	100 g per 1 m

<Table 6> Required additional charge when the pipe size is 1 size larger than the standard diameter (TWIN/TRIPLE SYSTEM)

Outdoor unit	When the extension pipe length (main piping + branch piping) exceeds 20 m
PUHZ-RP71~140	Additional refrigerant amount $\triangle$W(g) = (100 × L1) + (60 × L2) + (30 × L3) - 2000

If the calculation produces a negative number ($\triangle W \leqq 0$), additional charging is not necessary.
L1: ϕ12.7 liquid pipe length (m)
L2: ϕ9.52 liquid pipe length (m)
L3: ϕ6.35 liquid pipe length (m)

<Table 7> Additional refrigerant charging amount for pipe of standard diameter

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 60m	61 – 70m	71 – 75m
1 : 1 system	PUHZ-RP35,50	50m or less	2.5kg	0.2kg	0.4kg			
	PUHZ-RP71		3.5kg	0.6kg	1.2kg			
	PUHZ-RP100~140	75m or less	5.0kg	0.6kg	1.2kg	1.8kg	2.4kg	

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 60m	61– 70m	71 – 75m
Twin Triple system	PUHZ-RP71	50m or less	3.5kg	0.6kg	1.2kg			
	PUHZ-RP100~140	75m or less	5.0kg	0.6kg	1.2kg	1.8kg	2.4kg	

8-1-3. CAPACITY CORRECTION CURVES

Cooling and heating capacity is lowered according to pipe length. Capacity can be obtained by referring to the capacity curves below. When the diameter of gas pipe is 1 size smaller than standard diameter, cooling capacity is lowered comparing to the standard diameter. The lowered capacity can be obtained by referring to capacity curves for gas pipe which is 1 size smaller than standard size.

Corrected pipe length (m) = actual pipe length (m) + number of bends x 0.3 (m)

[Sample calculation]
Indoor unit RP60 × 2 units (Twin system)
Outdoor unit RP125 × 1

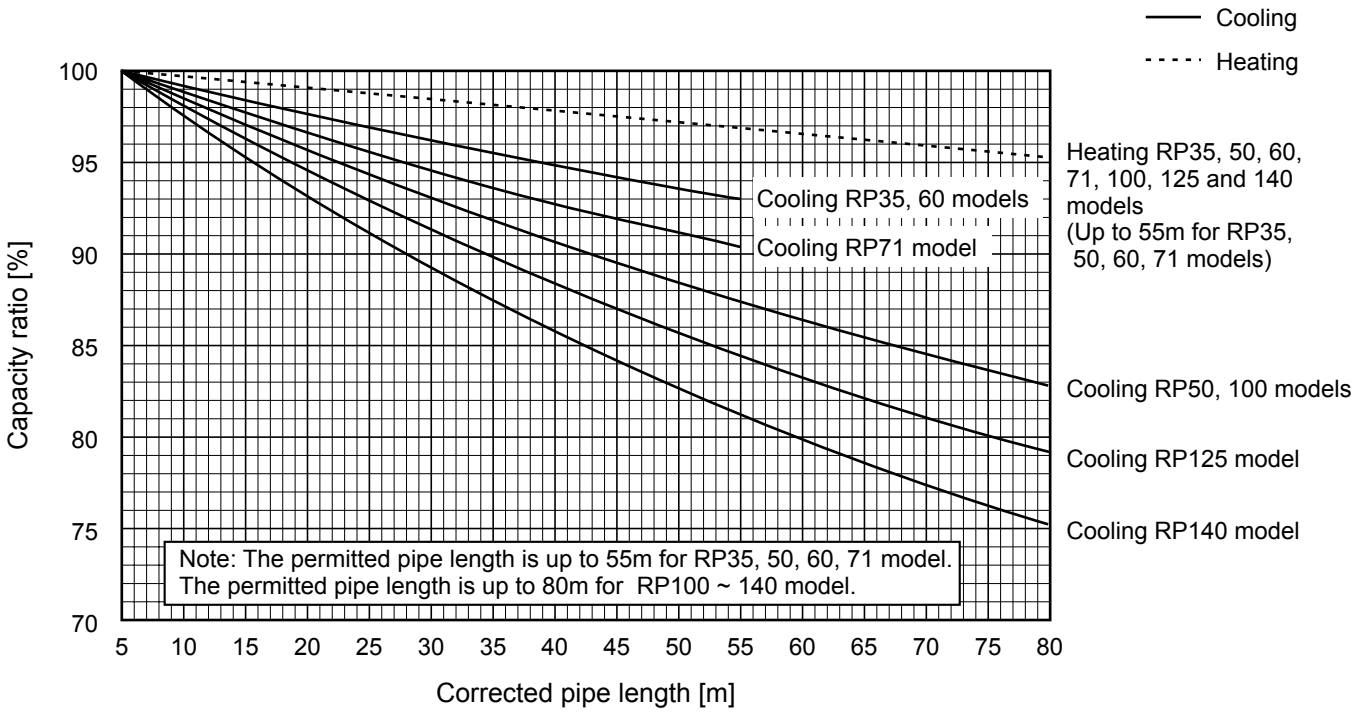
■ **Condition Using existing pipes.**

- **Outdoor unit side**
  Liquid pipe ϕ12.7 / Gas pipe ϕ19.05
  pipe length (A) 20m

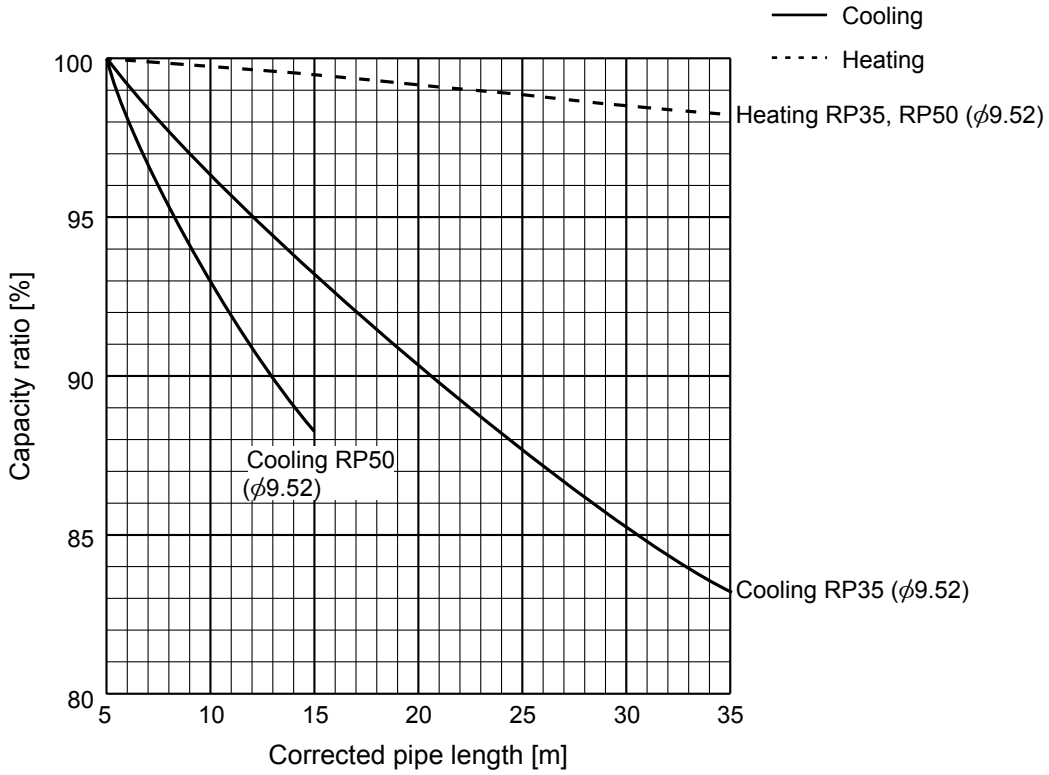
- **Indoor unit side**
  Liquid pipe ϕ9.52 / Gas pipe ϕ15.88
  pipe length (B) 20m + (C) 15m

1) Farthest piping length	**20m + 15m = 35m**
	Number of bends : 10
2) Corrected piping length	**35m + 0.3 × 10 = 38m**
3) Capacity correction	**Outdoor unit side's gas pipe ϕ19.05**
	Standard ϕ15.88 → 1 size up
	Refer to ① Capacity curves <Standard size>
4) Capacity	**Cooling capacity = Standard cooling capacity × 0.89**
	Heating capacity = Standard heating capacity × 0.98

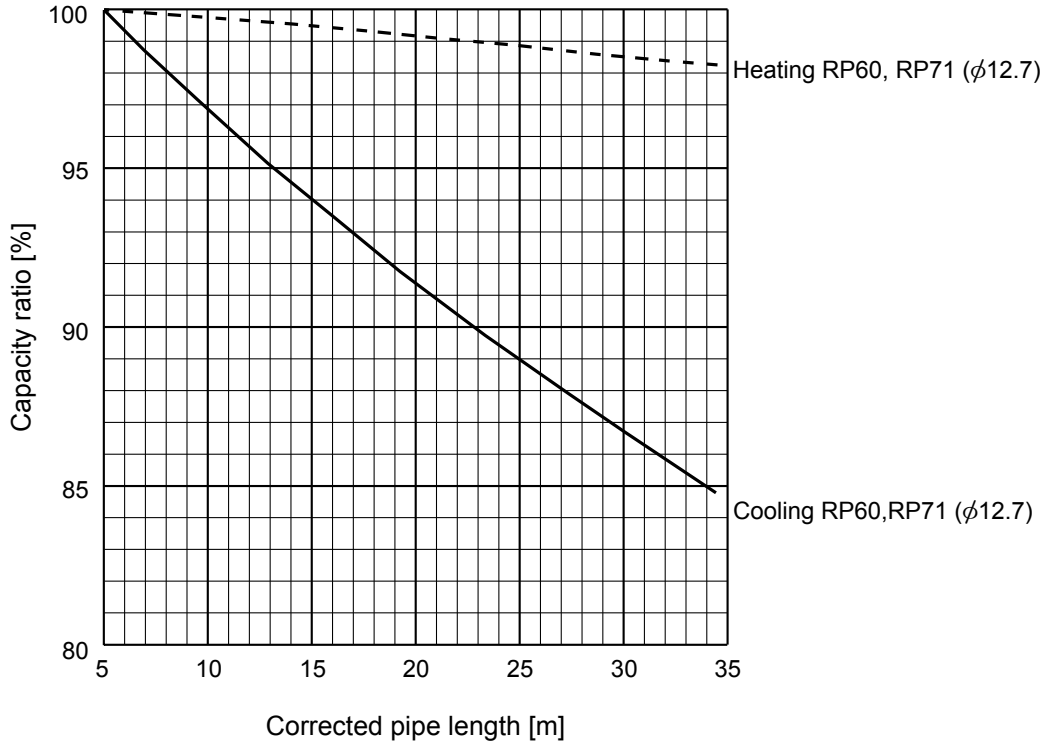
① **Capacity curves for PUHZ-RP · HA2 model <Standard size>**



② **Capacity curve for PUHZ-RP35, 50 models**
<When gas pipe is 1 size smaller than standard size>



③ **Capacity curve for PUHZ-RP60, 71 models**
<When gas pipe is 1 size smaller than standard size>



④ **When gas pipe is one size larger than standard size for PUHZ-RP100, 125 and 140.**
① Capacity can be obtained by referring to capacity curves of standard size.

8-2. PUHZ-RP200·250YKA

8-2-1. 1:1 SYSTEM

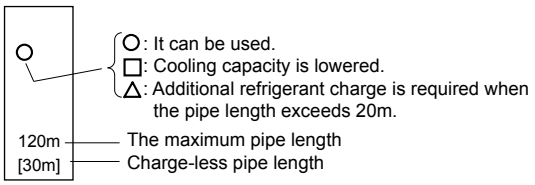
(1) Pipe length

<Table 1> Maximum pipe length (RP200·RP250)

Liquid pipe (mm)	O.D.	ϕ9.52				ϕ12.7				ϕ15.88			
	Thick-ness	t0.8				t0.8				t1.0			
Gas pipe (mm)	O.D.	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
	Thick-ness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
RP200		□ 20m [20m]	□ 50m [30m]	Standard size ○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
RP250		□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]

Note : Be sure to use hard (tempered) one for pipe over ϕ22.2(RP200)/ϕ19.05(RP250).

<Marks in the table above>


○: It can be used.
□: Cooling capacity is lowered.
△: Additional refrigerant charge is required when the pipe length exceeds 20m.
120m
[30m]
The maximum pipe length
Charge-less pipe length

(2) Adjusting the amount of refrigerant

Check additional refrigerant charging amount referring to table 7 when the liquid pipe diameter is 1 size larger than the standard size, and table 2 when the pipe of the standard diameter is used.

<Table 2>

Outdoor unit	permitted pipe length	Initial charge (kg)	Amount of additional refrigerant charge (kg)					
			30 m and less	31-40 m and less	41-50 m and less	51-60 m and less	61-70 m and less	71-120 m and less
RP200	120m or less	7.1	No additional charge necessary	0.9 kg	1.8 kg	2.7 kg	3.6 kg	The additional charge amount is obtained by the following formula.
RP250		7.7		1.2 kg	2.4 kg	3.6 kg	4.8 kg	

When length exceeds 70 m

When the total length of the piping exceeds 70 m, calculate the amount of additional charge based on the following requirements.
Note: If the calculation produces a negative number (i.e. a "minus" charge), of if calculation results in an amount that is less than the "Additional charage amount for 70 m", perform the additional charge using the amount shown in "Additional charge amount for 70 m".

Amount of additional charge	=	Main piping: Liquid line size ø12.7 overall length × 0.11	+	Main piping: Liquid line size ø9.52 overall length × 0.09 (Gas line: ø25.4)	+	Branch piping: Liquid line size ø9.52 overall length × 0.06 (Gas line: ø15.88)	+	Branch piping: Liquid line size ø6.35 overall length × 0.02	–	3.6 (kg)
(kg)		(m) × 0.11 (kg/m)		(m) × 0.09 (kg/m)		(m) × 0.06 (kg/m)		(m) × 0.02 (kg/m)		

Additional charge amount for 70 meters	RP200	3.6 kg
	RP250	4.8 kg

•If the wiring connecting the indoor and outdoor units is longer than 80m, use separate indoor /outdoor unit power supplies.

(3) Capacity correction

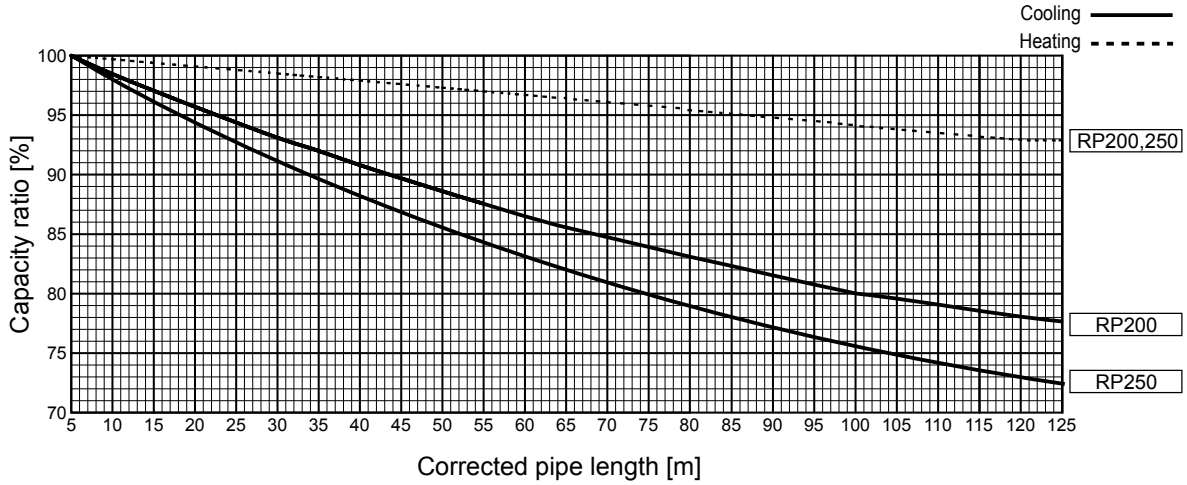
Cooling and heating capacity is lowered according to the piping length. Capacity can be obtained by referring to the following capacity curves.

When the diameter of the gas pipe is smaller than the standard size, cooling capacity is lowered comparing to the operation using the standard diameter pipe.

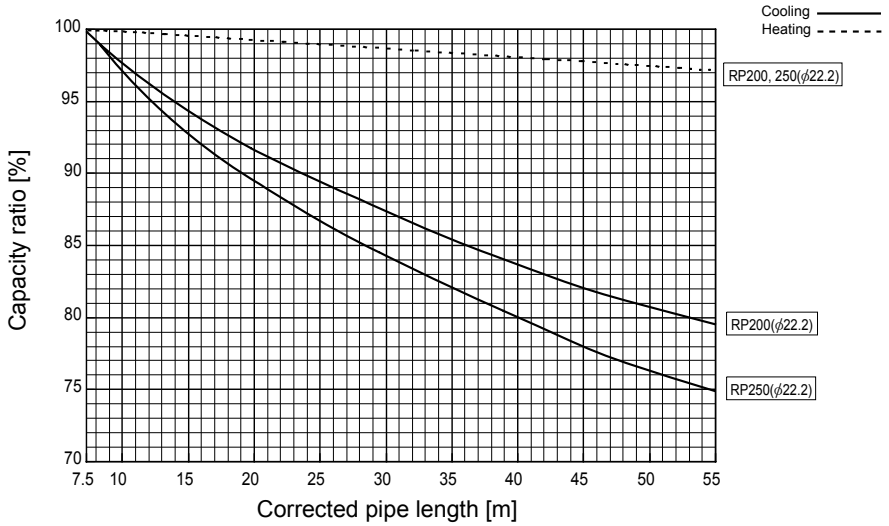
The lowered capacity can be obtained by referring to the capacity curves for gas pipe which is 1 or 2 size smaller than standard size.

Corrected pipe length (m) = actual pipe length (m) + number of bends × 0.3 (m)

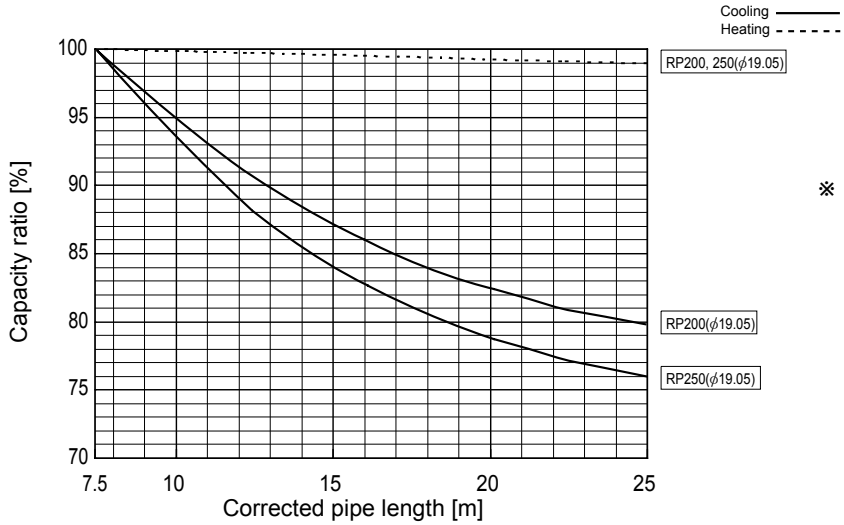
1. Capacity curves 1 <Standard size>



2. Capacity curves 2 <When the gas pipe's diameter is 1-size-smaller than the standard size>



3. Capacity curves 3 <When the gas pipe's diameter is 2-size-smaller than the standard size>



※ RP250
Use 1/2H or H pipes if the diameter is 19.05.

2. TWIN, TRIPLE AND QUADRUPLE SYSTEM

(1) Twin

Maximum pipe length (Main pipe [A] + Branch pipe diameter [B and C])

			RP200 twin (RP100×2)												RP250 twin (RP125×2)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C]	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	Standard size 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2(RP200)/ϕ19.05(RP250).

(2) Triple

Maximum pipe length (Main pipe [A] + Branch pipe [B, C and D])

			RP200 triple (RP60×3)												RP250 triple (RP71×3)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C, D]	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	Standard size 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2(RP200)/ϕ19.05(RP250).

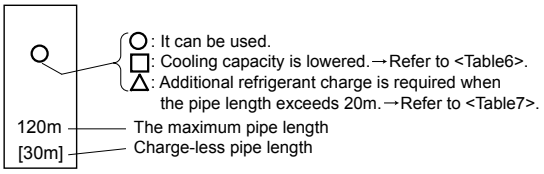
(3) Quadruple

Maximum pipe length (Main pipe [A] + Branch pipe [B, C, D and E])

			RP200 quadruple (RP50×4)												RP250 quadruple (RP60×4)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C, D, E]	Liquid pipe	ϕ6.35	□ 20m [20m]	□ 50m [30m]	Standard size 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]												
	Gas pipe	ϕ12.7																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7													□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2(RP200)/ϕ19.05(RP250).

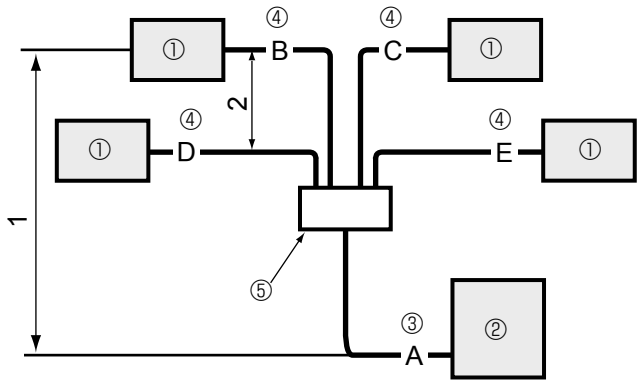
<Marks in the table above>


○: It can be used.
□: Cooling capacity is lowered.→Refer to <Table6>.
△: Additional refrigerant charge is required when the pipe length exceeds 20m.→Refer to <Table7>.
120m
The maximum pipe length
[30m]
Charge-less pipe length

Pipe diameter and thickness

OD (mm)	ϕ6.35	ϕ9.52	ϕ12.7	ϕ15.88	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Thickness (mm)	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.1

Be sure to use hard (tempered) one for pipe over ϕ19.05(RP250)/ϕ22.2(RP200).(Do not use soft (annealed) one.)



① Indoor unit
② Outdoor unit
③ Main piping
④ Branch piping
⑤ Multi distribution pipe (option)

1 Height difference (Indoor unit-Outdoor unit) Max. 30 m

2 Height difference (Indoor unit-Indoor unit) Max. 1 m

3 Distance between indoor and indoor units pipe length. Max. 8m

|B—C||B—D||B—E|
|C—D||C—E||D—E|

4 Number of pipe bends
Within 15 points
8 points between main pipe A and each branch pipe (B, C, D, E).

<Table 6> Lowered cooling capacity by the smaller gas pipe diameter

Pipe length	Cooling capacity ratio	
	gas pipe ϕ22.2	gas pipe ϕ19.05
5m and less	100%	100%
6~10m	100~95%	100~88%
11~20m	95~88%	88~77%
21~30m	88~83%	—
31~40m	83~79%	—
41~50m	79~75%	—

<Table 7> Additional refrigerant amount when the liquid pipe of the larger diameter is used.
(Single /Simultaneous Twin / Simultaneous Triple / Simultaneous Quadruple)

Capacity	When the extension pipe length (main piping + branch piping) exceeds 20m
RP200, RP250	Additional refrigerant amount $\Delta W(g)=(180\times L_1)+(120\times L_2)\ (90\times L_3)+(30\times L_4)-3000$

L_1 : ϕ15.88 liquid pipe (m) L_2 : ϕ12.7 liquid pipe (m)
L_3 : ϕ9.52 liquid pipe (m) L_4 : ϕ6.35 liquid pipe (m)

If the calculation produces a negative number (i.e. a "minus" charge), additional charging is not necessary.
($\Delta W \leqq 0$)

<Table 8>

Outdoor unit	Permissible total piping length A+B+C+D+E	A+B or A+C or A+D or A+E	Charge-less piping length A+B+C+D+E
RP200 PR250	120 m and less	100 m and less	30 m and less

<Table 9>

Outdoor unit	| B-C | or | B-D | or | B-E |or | C-D | or | C-E | or | D-E |	Number of pipe bends
RP200 RP250	8 m and less	Within 15

<Table 10>

Outdoor unit	Permitted pipe length	At time of shipping (kg)	A+B+C+D Amount of additional refrigerant charge (kg)					
			30 m and less	31-40 m and less	41-50 m and less	51-60 m and less	61-70 m and less	71-120 m and less
RP200	120m or less	7.1	No additional charge necessary	0.9 kg	1.8 kg	2.7 kg	3.6 kg	The additional charge amount is obtained by the following formula.
RP250		7.7		1.2 kg	2.4 kg	3.6 kg	3.6 kg	

When length exceeds 70 m

When the total length of the piping exceeds 70 m, calculate the amount of additional charge based on the following requirements.
Note: If the calculation produces a negative number (i.e. a "minus" charge), or if calculation results in an amount that is less than the "Additional charge amount for 70 m," perform the additional charge using the amount shown in "Additional charge amount for 70 m."

Amount of additional charge	=	Main piping: Liquid line size ϕ12.7 overall length 0.11	+	Main piping: Liquid line size ϕ9.52 overall length 0.09 (Gas line:ϕ28.58)	+	Branch piping: Liquid line size ϕ9.52 overall length 0.06 (Gas line: ϕ15.88)	+	Branch piping: Liquid line size ϕ6.35 overall length 0.02 (Gas line: ϕ15.88)	–	3.6 (kg)

Additional charge amount for 70 m	RP200	3.6 kg
	RP250	4.8 kg

1. Perform refrigerant piping connections for the indoor / outdoor unit while the outdoor unit's stop valve is completely closed (Initial setting), and then vacuumize the refrigerant lines through the service port of the outdoor unit.
2. Open the stop valves of the outdoor unit completely.
   This will completely connects the refrigerant circuits of the indoor and outdoor units.
   Stop valve opening method is shown on the outdoor unit's installation manual.

Note :

- Apply refrigerating machine oil over the flare seat surface. Do not apply to the threaded portion. (It will cause the flare nut to loosen.)
- Use 2 wrenches to tighten piping connection.
- Use leak detector or soapy water to check for gas leaks after connections are completed.
- For the insulation of the connection at the indoor side, make sure to use the attached insulation materials and thoroughly follow the instruction shown in the manual.
- Always use a non-oxidizing brazing material when brazing the pipes.

Adjusting the amount of refrigerant

Check additional refrigerant charging amount referring to the procedure ② below when the liquid pipe diameter of the main piping A is larger than the standard size.

① When the standard diameter pipe is used for the main piping A, calculate the additional refrigerant amount by referring to <Table 2> as well as the 1:1 system.

② When the liquid pipe diameter of the main piping A is one size larger than the standard size:

- When the extension pipe length (main piping + branch piping) does not exceed 20m, adjustment of the refrigerant is not necessary (charge-less).
- When the extension pipe length (main piping + branch piping) exceeds 20m, charge the amount of refrigerant that is obtained by the formula shown in <Table 7>.

If the calculation produces a negative number (i.e. a "minus" charge), additional charging is not necessary.
Note: Apply 0 to L_1, L_2, L_3 and L_4 which correspond to the liquid pipe size that are not used.

Correcting the capacity value

When calculating the lowered capacity by the extension pipe length, use the longest length between the indoor and the outdoor units.

9 AIR FLOW DATA

9-1. OUTLET AIR SPEED AND COVERAGE RANGE

		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA PLA-RP71BA2	PLA-RP100BA PLA-RP100BA3	PLA-RP125BA PLA-RP125BA2	PLA-RP140BA2
Airflow	m³/min.	15	18	18	21	30	31	32
Air speed	m/sec.	2.6	3.2	3.2	3.7	5.3	5.4	5.6
Coverage range	m	4.1	4.8	4.8	5.6	8.0	8.2	8.5

		PCA-RP50KA	PCA-RP60KA	PCA-RP71KA	PCA-RP100KA	PCA-RP125KA	PCA-RP140KA
Airflow	m³/min.	15	19	20	28	29	32
Air speed	m/sec.	3.3	3.1	3.2	3.6	3.7	4.1
Coverage range	m	9.0	9.6	10.1	12.5	12.9	14.2

		PCA-RP71HA	PCA-RP125HA
Airflow	m³/min.	19	38
Air speed	m/sec.	2.9	4.2
Coverage range	m	7.9	13.2

		PKA-RP35HAL	PKA-RP50HAL
Airflow	m³/min.	12	12
Air speed	m/sec.	6.1	6.1
Coverage range	m(ft)	10.8(35.4)	10.8(35.4)

		PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL
Airflow	m³/min.	22	22	26
Air speed	m/sec.	6.0	6.0	6.8
Coverage range	m(ft)	14.3(46.9)	14.3(46.9)	16.1(52.8)

		PSA-RP71GA	PSA-RP100GA	PSA-RP125GA	PSA-RP140GA
Airflow	m³/min.	18	31	33	35
Air speed	m/sec.	2.6	4.5	4.8	4.9
Coverage range	m	8.3	14.3	15.2	16.1

※ The air coverage range is the distance to which the 0.25m/sec air can reach, when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

9-2. PLA-RP·BA/BA2/BA3

9-2-1 FRESH AIR INTAKE AND BRANCH DUCT

1. Branch duct hole and fresh air intake hole (Fig. 1)

At the time of installation, use the duct holes (cut out) located at the positions shown in Fig.1, as and when required.
• A fresh air intake hole for the optional multi function casement can also be made.

Note:
The figure marked with * in the drawing represent the dimensions of the main unit excluding those of the optional multi function casement.
When installing the optional multi function casement, add 135 mm to the dimensions marked on the figure.
When installing the branch ducts, be sure to insulate adequately.
Otherwise condensation and dripping may occur.

Unit:mm

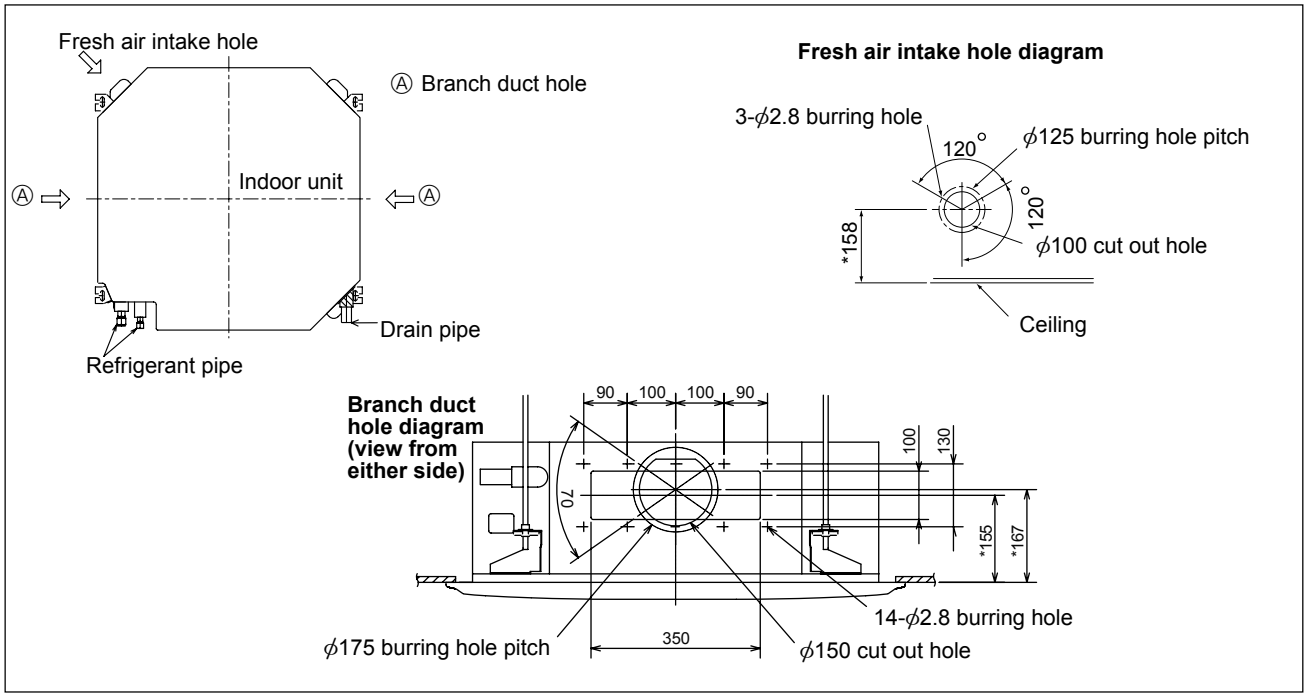
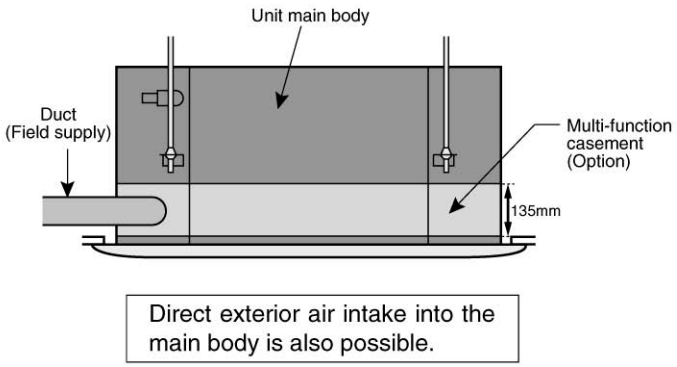


Fig. 1

2. Fresh air intake (Installation at site)

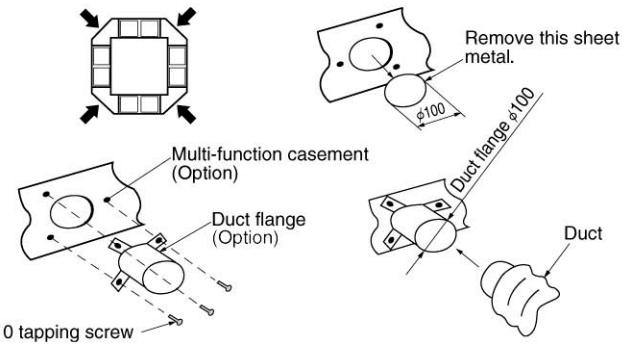
● By mounting the optional multi-function casement to the indoor unit main body, and mounting the duct and duct flange (option) onto it further, fresh exterior air intake can be accomplished.
(The mounting of the multi-function casement increases the height of the ceiling plenum by 135mm.)



Direct exterior air intake into the main body is also possible.

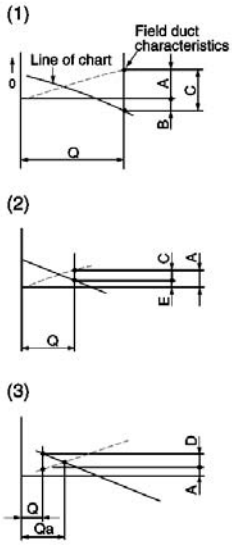
Knockout hole for fresh air intake

Preparation of knockout hole



3. Fresh air intake volume & static pressure characteristics

How to read the chart



Q .... Design fresh air intake volume (m³/min)

A ..... Static pressure loss [Pa] of fresh air intake duct at airflow rate of Q

B ..... Required boost pressure [Pa] of air conditioner inlet at airflow rate of Q

C ..... Required static pressure [Pa] of booster fan at airflow rate of Q

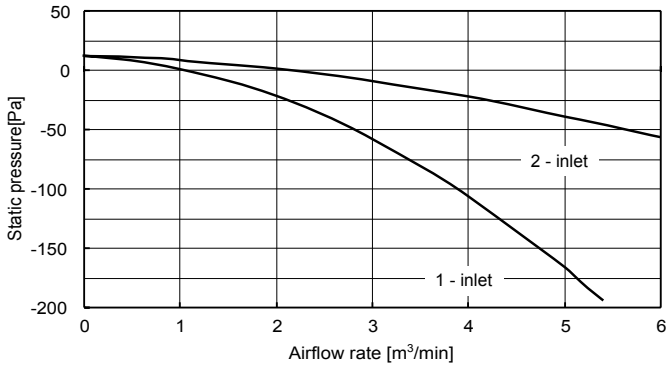
D ..... Required compensation [Pa] for static pressure loss of fresh air intake duct to make airflow rate Q

E ..... Static pressure [Pa] of indoor unit at airflow rate of Q

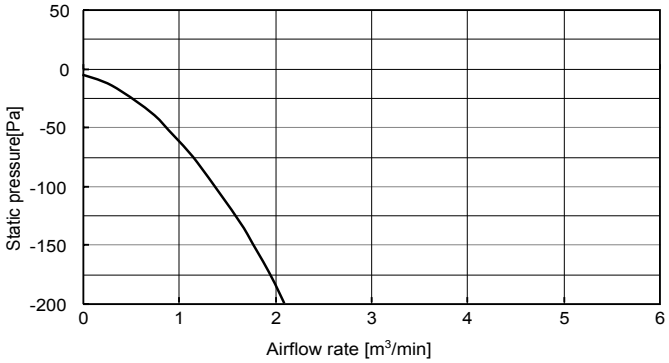
Qa .. Estimated fresh air intake [m³/min] without compensation of D

PLA-RP35~71BA(2)

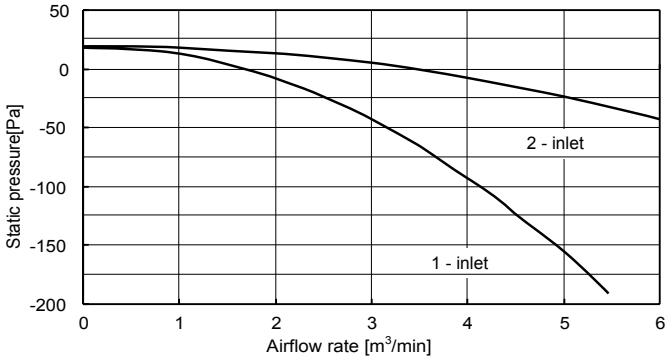
① At using multi-function casement, standard filter



② Direct intake to unit

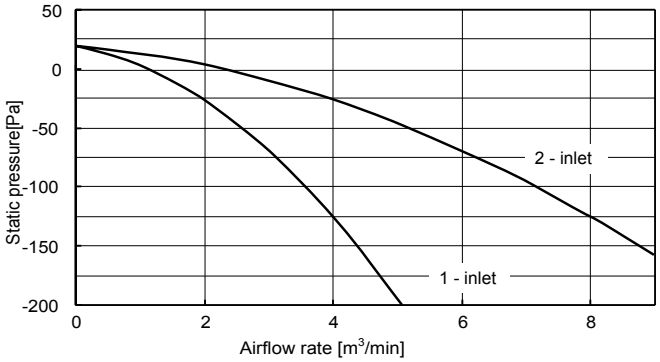


③ At using multi-function casement, high efficiency filter

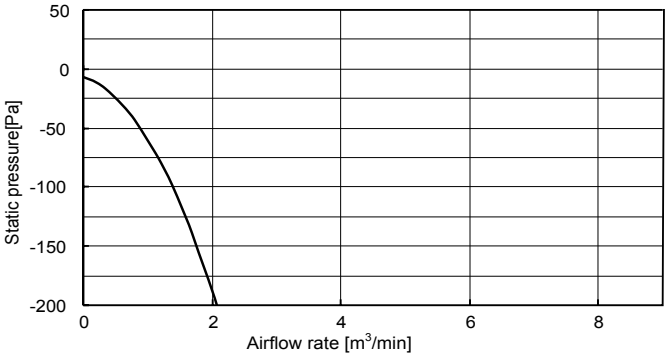


PLA-RP100BA(3), PLA-RP125,140BA(2)

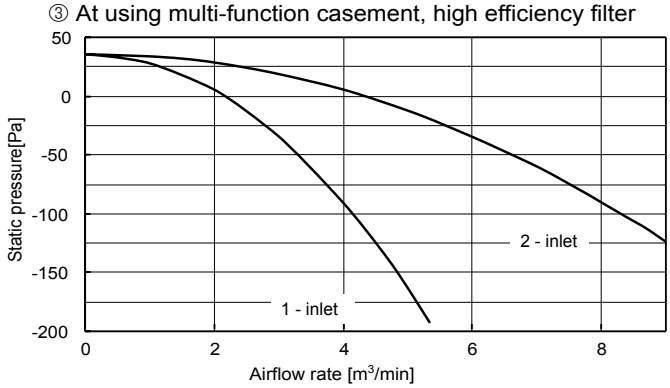
① At using multi-function casement, standard filter



② Direct intake to unit



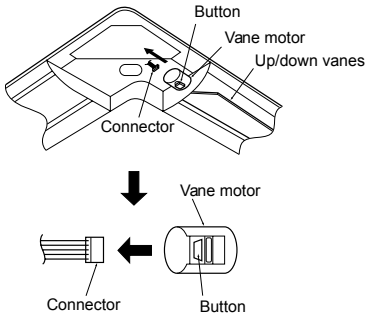
③ At using multi-function casement, high efficiency filter

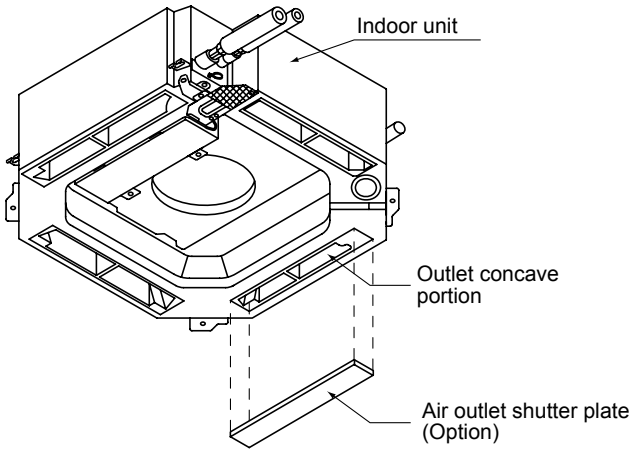


4. Change of outlet numbers

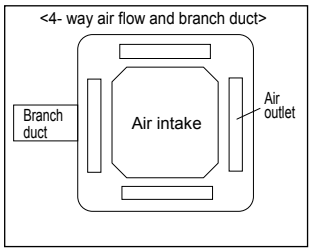
The optional air outlet is necessary.
To change the air outlet number to 3-, or 2-way outlet, the outlet number should be closed with the operational air outlet shutter.

When the air outlets are closed, close the vane by removing the vane connector.

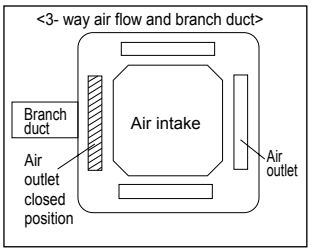




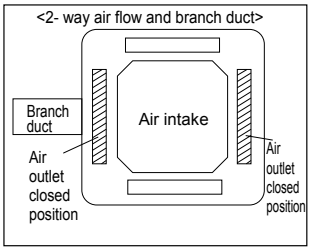
5. Branch duct and change of outlet numbers



※ Branch duct should be connected to one of the branch duct holes on the main unit.



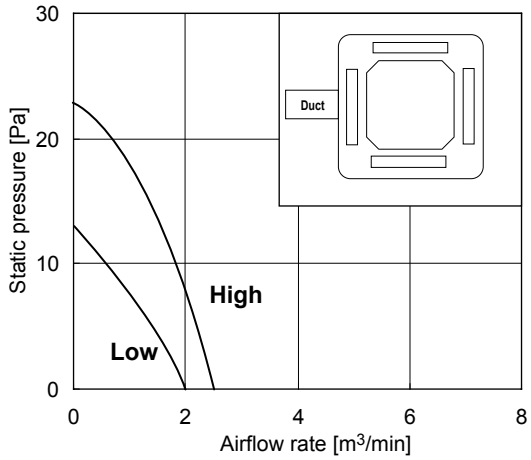
※ Close the outlet on the side of branch duct and air flows in 3 directions.



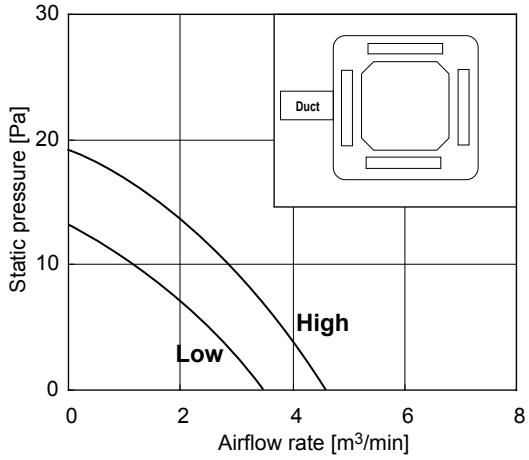
※ The outlet on the side of branch duct and one of the other outlets are closed.
Air flows in 2 directions.

PLA-RP71BA PLA-RP71BA2

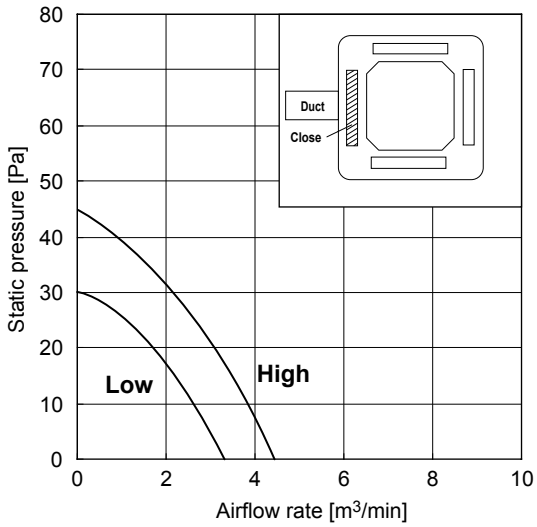
●4-way airflow (horizontal vane) Round duct



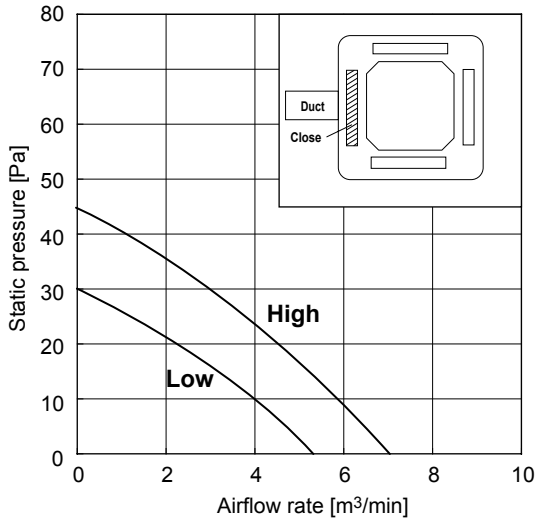
●4-way airflow (horizontal vane) Rectangular duct



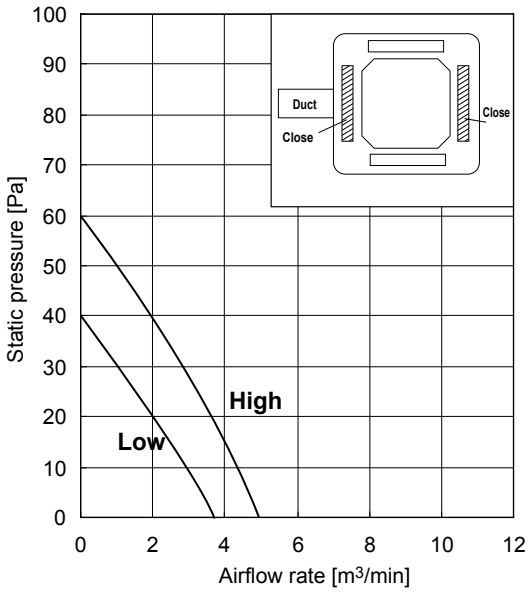
●3-way airflow (horizontal vane) Round duct



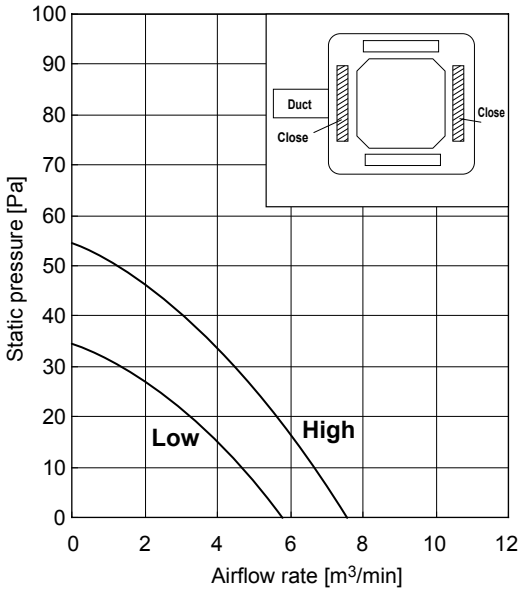
●3-way airflow (horizontal vane) Rectangular duct



●2-way airflow (horizontal vane) Round duct



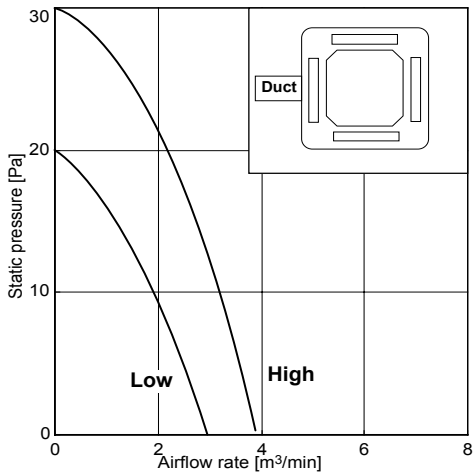
●2-way airflow (horizontal vane) Rectangular duct



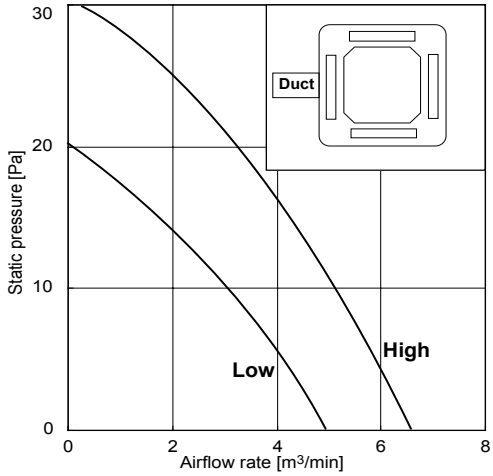
• Use 1 of the 2 duct holes on the indoor unit.
• Airflow rate of PLA-RP35~60BA can be calculated from the airflow rate based on the characteristic of the duct for PLA-RP71BA(2).
• Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way airflow.

PLA-RP125BA PLA-RP125BA2

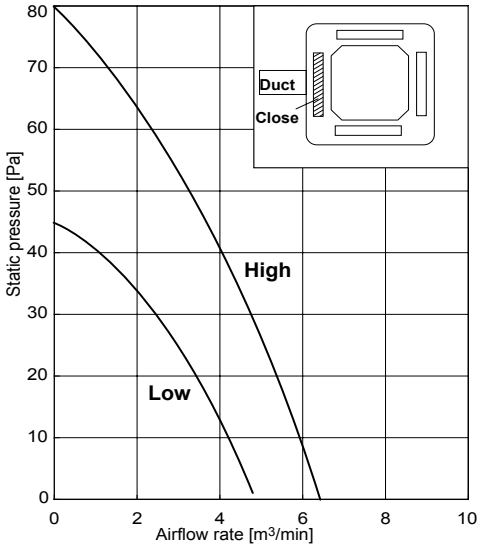
●4-way airflow (horizontal vane) Round duct



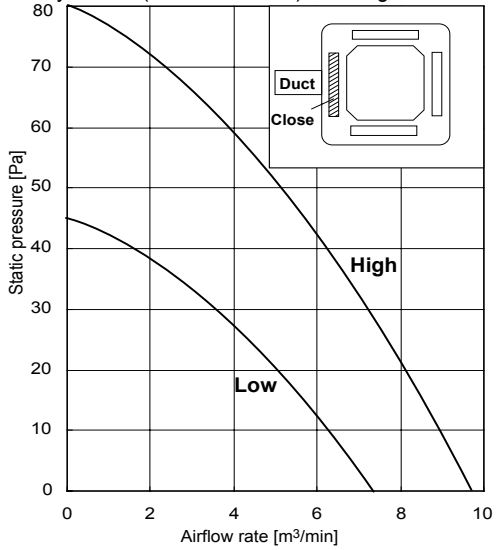
●4-way airflow (horizontal vane) Rectangular duct



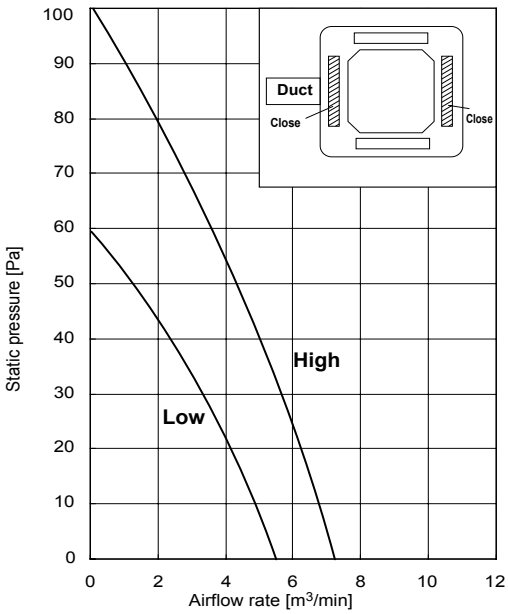
●3-way airflow (horizontal vane) Round duct



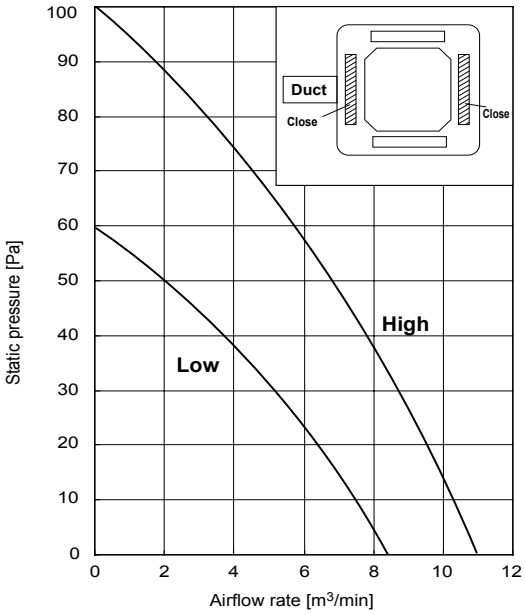
●3-way airflow (horizontal vane) Rectangular duct



●2-way airflow (horizontal vane) Round duct



●2-way airflow (horizontal vane) Rectangular duct



- Use 1 of the 2 duct holes on the indoor unit.
- Airflow rate of PLA-RP100BA(3), PLA-RP140BA2 can be calculated from the airflow rate based on the characteristic of the duct for PLA-RP125BA(2).
- Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way airflow.

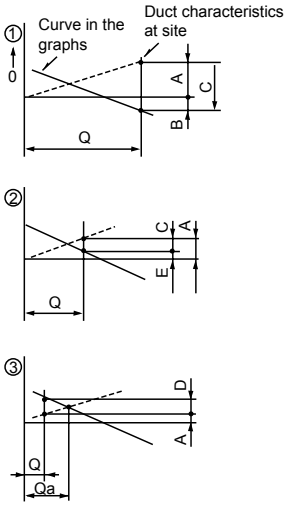
9-3. PCA-RP·KA
Fresh air intake amount & static pressure characteristics

■ PCA-RP50KA

■ PCA-RP60, 71KA

■ PCA-RP100, 125, 140KA

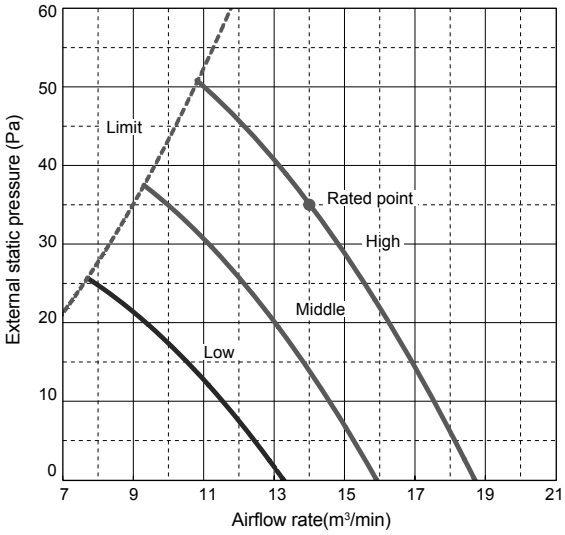
How to read curves



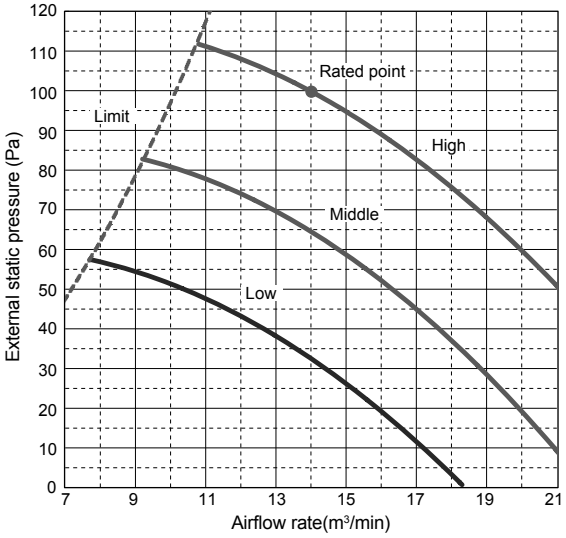
Q…Designed amount of fresh air intake <m³/min>
A…Static pressure loss of fresh air intake duct system with airflow amount Q <Pa>
B…Forced static pressure at air conditioner inlet with airflow amount Q <Pa>
C…Static pressure of booster fan with airflow amount Q <Pa>
D…Static pressure loss increase amount of fresh air intake duct system for airflow amount Q <Pa>
E…Static pressure of indoor unit with airflow amount Q <Pa>
Qa…Estimated amount of fresh air intake without D <m³/min>

9-4. PEAD-RP·JA(L)
Fan performance

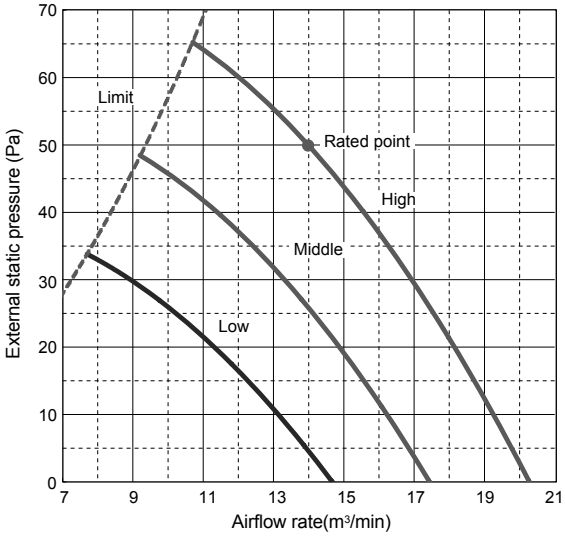
PEAD-RP35JA(L)
(External static pressure 35Pa) 220-240V 50Hz



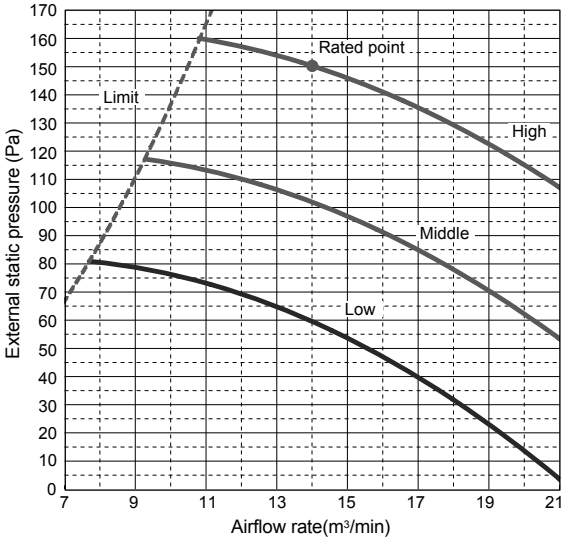
PEAD-RP35JA(L)
(External static pressure 100Pa) 220-240V 50Hz



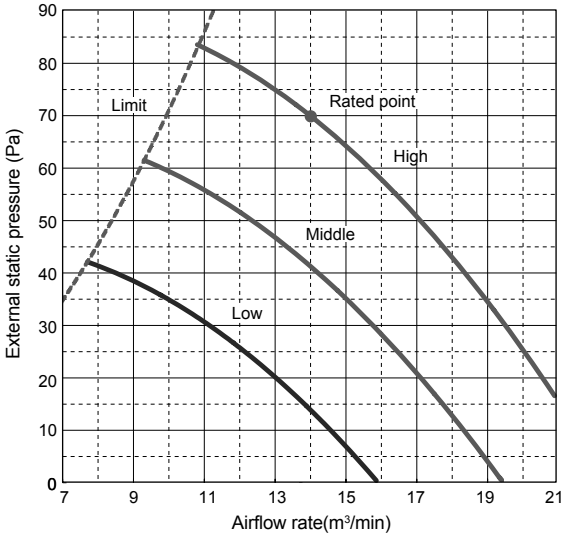
PEAD-RP35JA(L)
(External static pressure 50Pa) 220-240V 50Hz



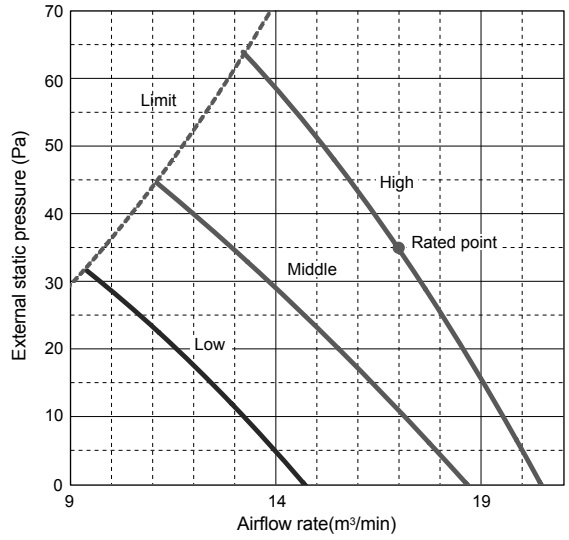
PEAD-RP35JA(L)
(External static pressure 150Pa) 220-240V 50Hz



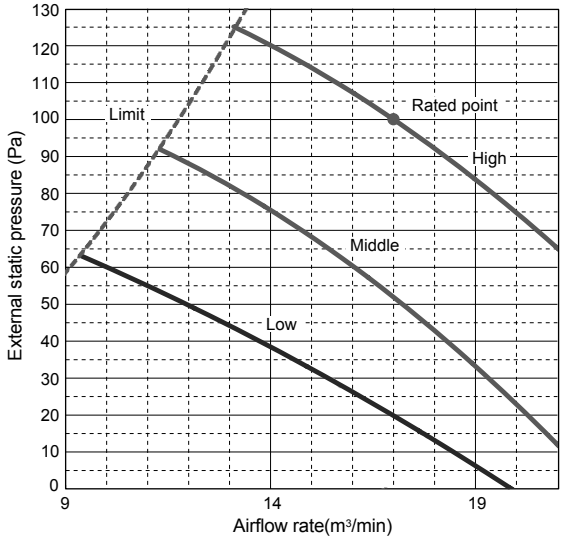
PEAD-RP35JA(L)
(External static pressure 70Pa) 220-240V 50Hz



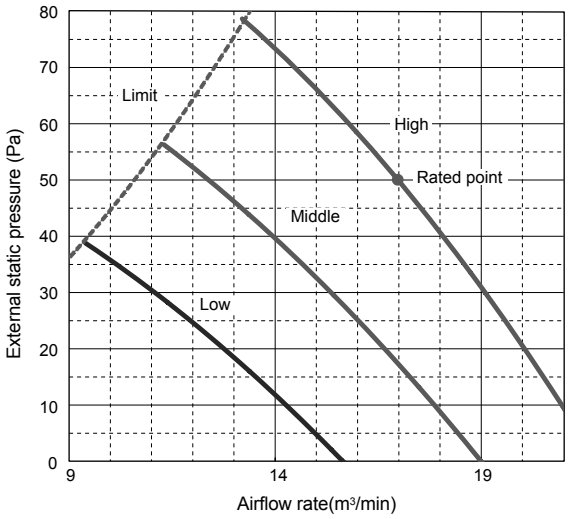
PEAD-RP50JA(L)
(External static pressure 35Pa) 220-240V 50Hz



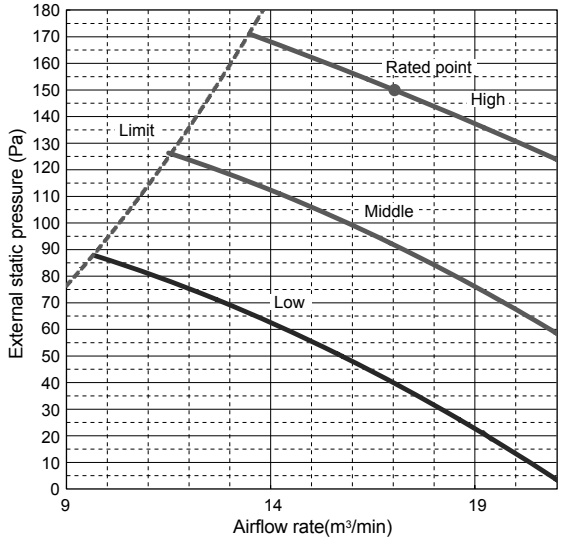
PEAD-RP50JA(L)
(External static pressure 100Pa) 220-240V 50Hz



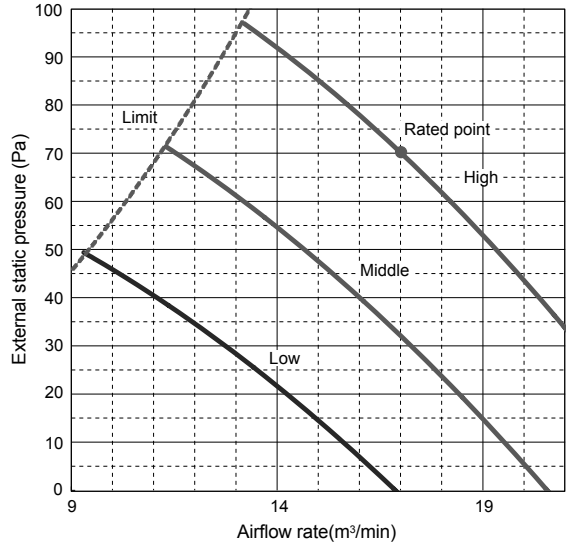
PEAD-RP50JA(L)
(External static pressure 50Pa) 220-240V 50Hz



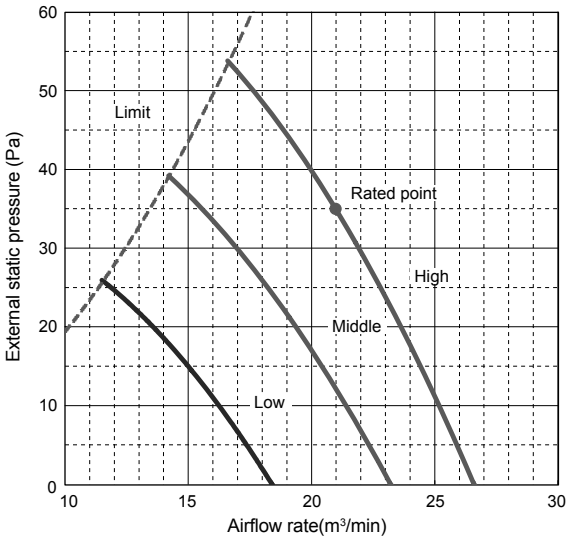
PEAD-RP50JA(L)
(External static pressure 150Pa) 220-240V 50Hz



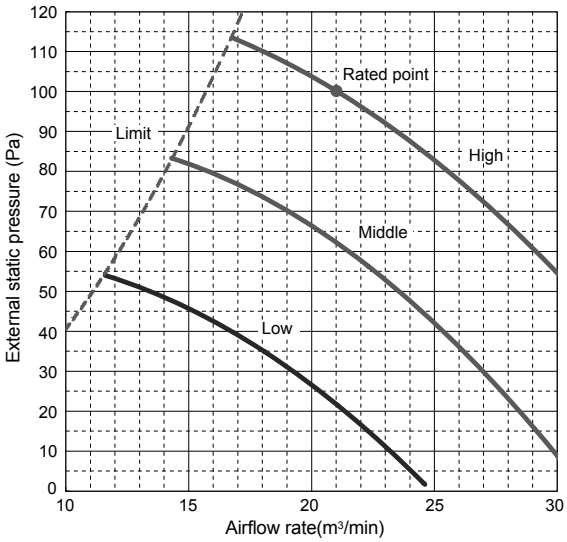
PEAD-RP50JA(L)
(External static pressure 70Pa) 220-240V 50Hz



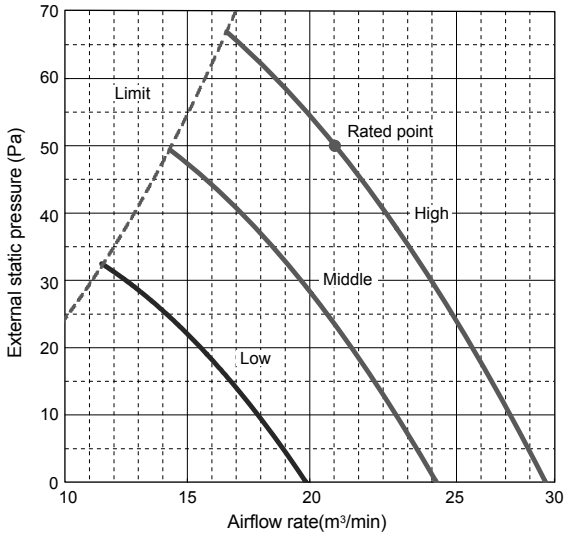
PEAD-RP60JA(L)
(External static pressure 35Pa) 220-240V 50Hz



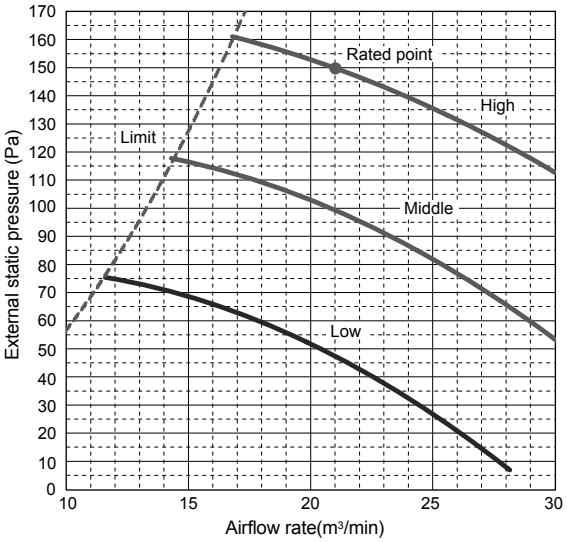
PEAD-RP60JA(L)
(External static pressure 100Pa) 220-240V 50Hz



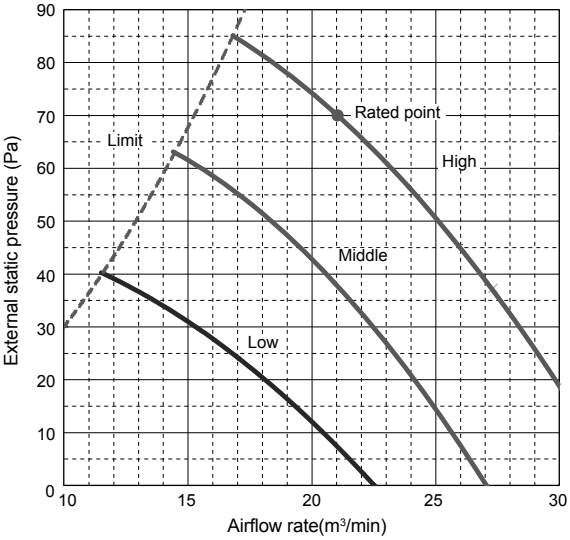
PEAD-RP60JA(L)
(External static pressure 50Pa) 220-240V 50Hz



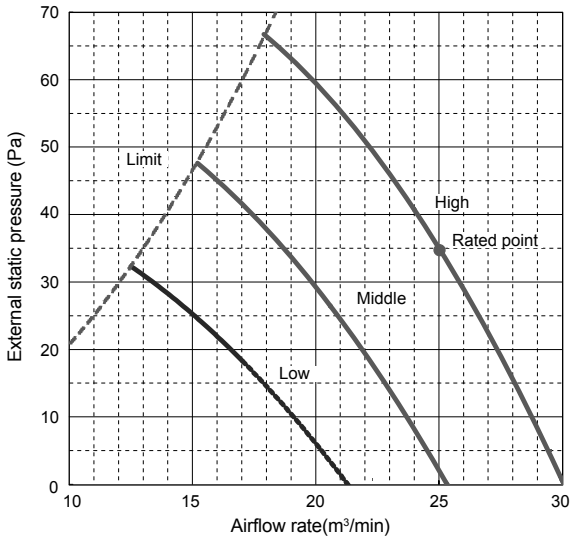
PEAD-RP60JA(L)
(External static pressure 150Pa) 220-240V 50Hz



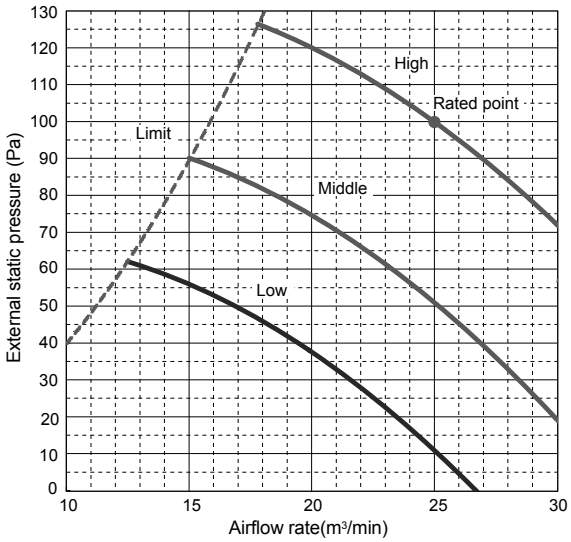
PEAD-RP60JA(L)
(External static pressure 70Pa) 220-240V 50Hz



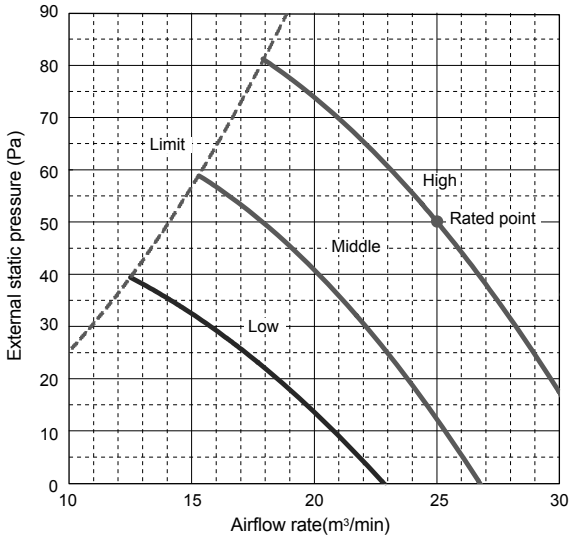
PEAD-RP71JA(L)
(External static pressure 35Pa) 220-240V 50Hz



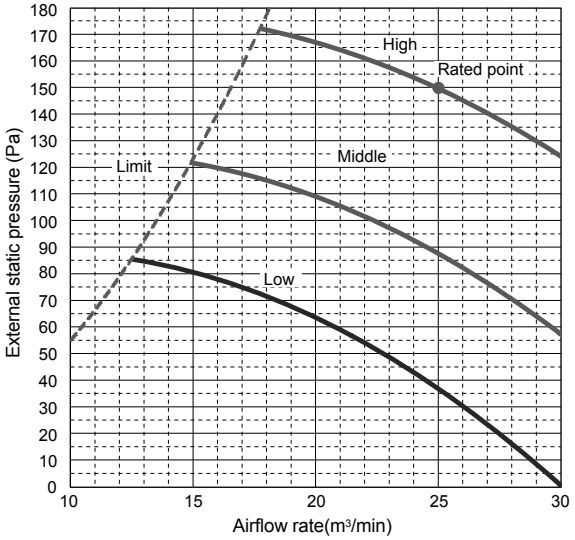
PEAD-RP71JA(L)
(External static pressure 100Pa) 220-240V 50Hz



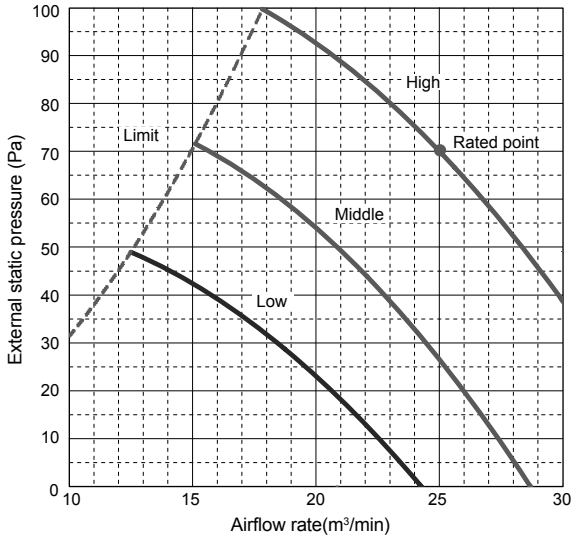
PEAD-RP71JA(L)
(External static pressure 50Pa) 220-240V 50Hz



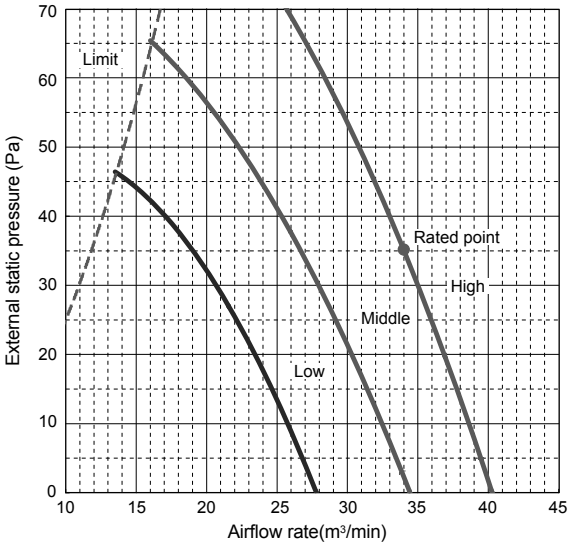
PEAD-RP71JA(L)
(External static pressure 150Pa) 220-240V 50Hz



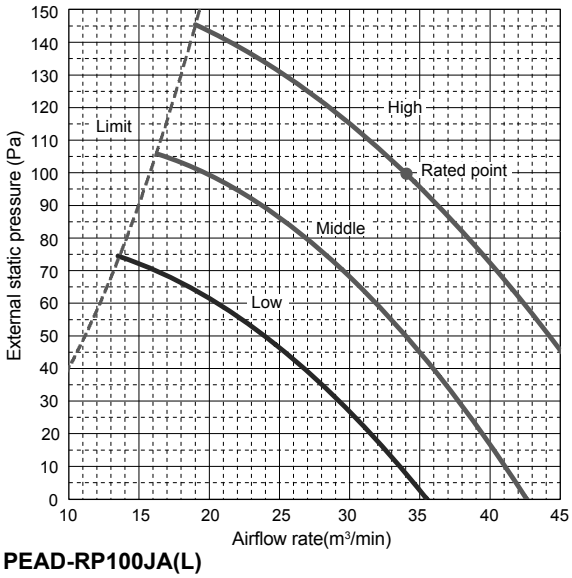
PEAD-RP71JA(L)
(External static pressure 70Pa) 220-240V 50Hz



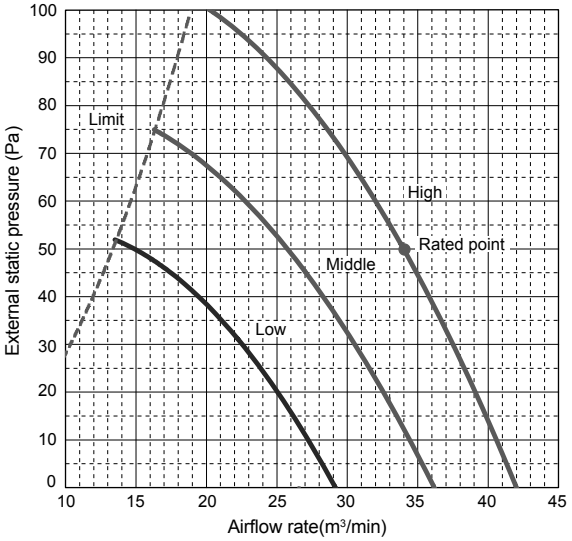
PEAD-RP100JA(L)
(External static pressure 35Pa) 220-240V 50Hz



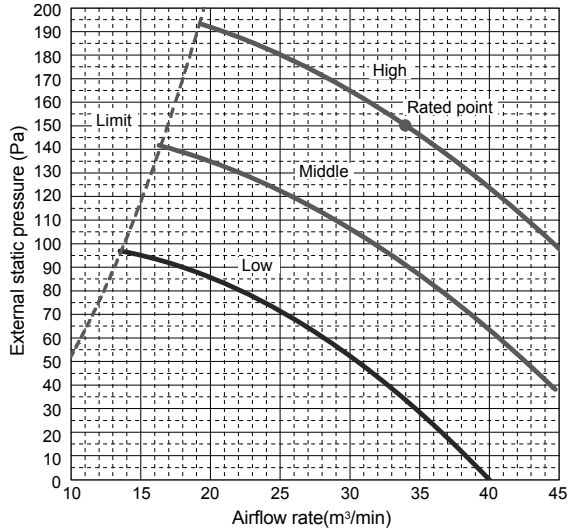
PEAD-RP100JA(L)
(External static pressure 100Pa) 220-240V 50Hz



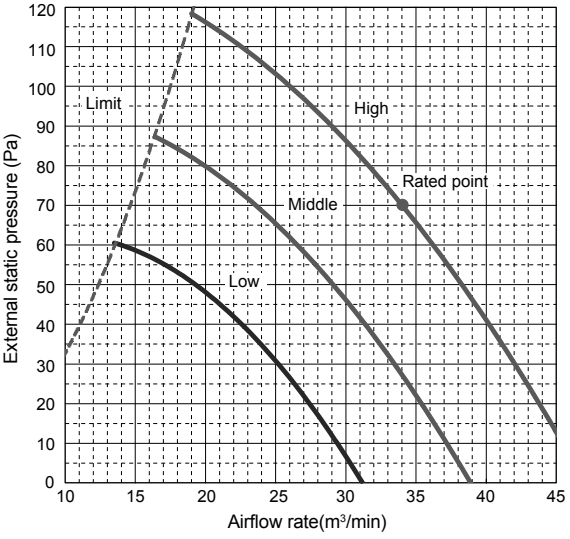
PEAD-RP100JA(L)
(External static pressure 50Pa) 220-240V 50Hz



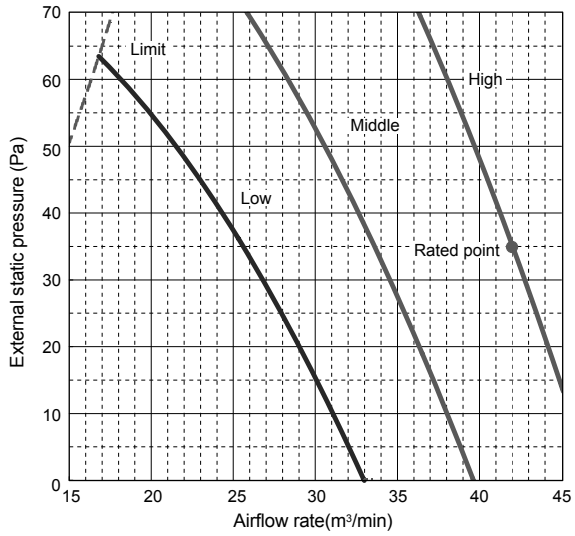
PEAD-RP100JA(L)
(External static pressure 150Pa) 220-240V 50Hz



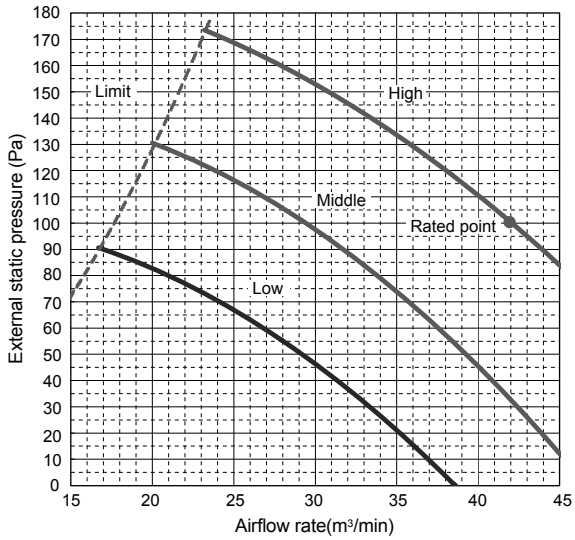
PEAD-RP100JA(L)
(External static pressure 70Pa) 220-240V 50Hz



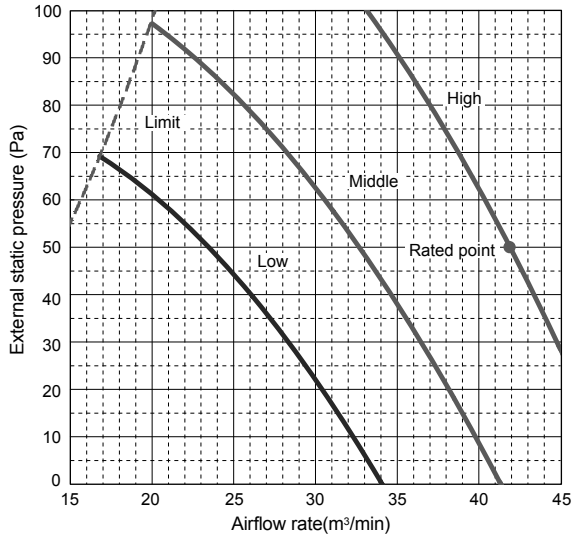
PEAD-RP125JA(L)
(External static pressure 35Pa) 220-240V 50Hz



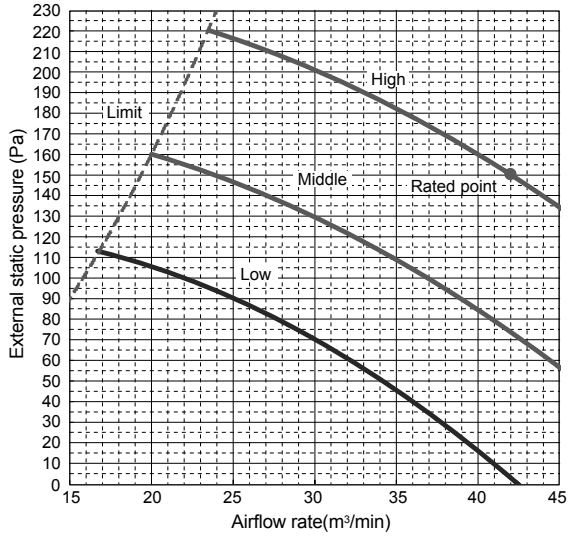
PEAD-RP125JA(L)
(External static pressure 100Pa) 220-240V 50Hz



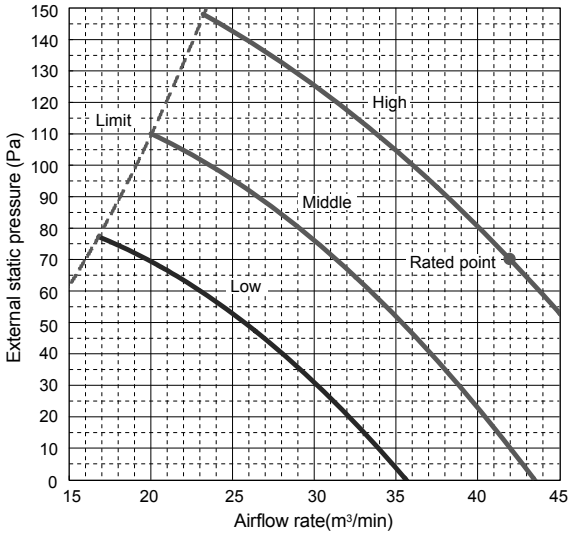
PEAD-RP125JA(L)
(External static pressure 50Pa) 220-240V 50Hz



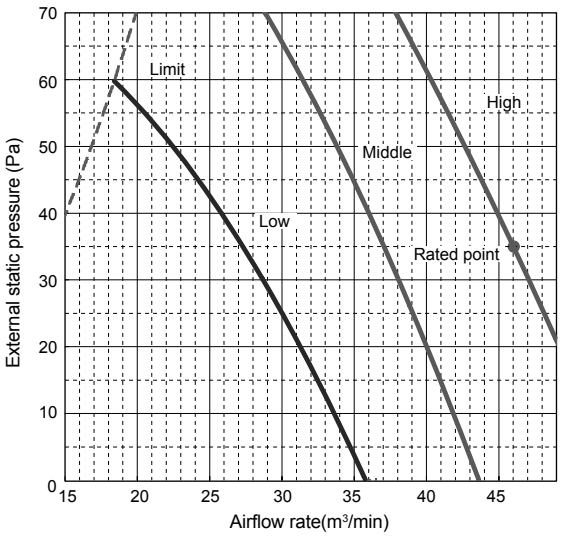
PEAD-RP125JA(L)
(External static pressure 150Pa) 220-240V 50Hz



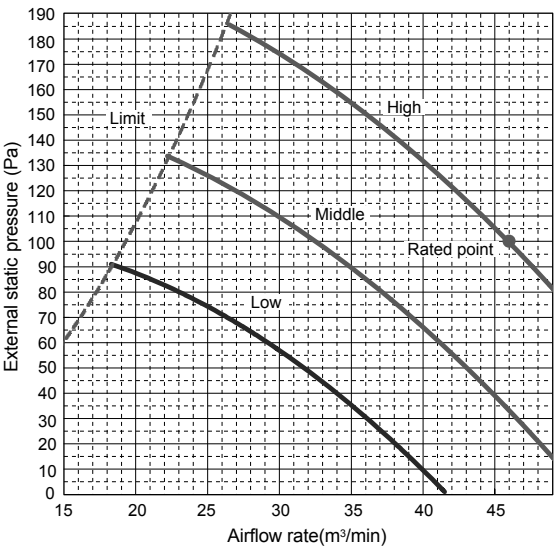
PEAD-RP125JA(L)
(External static pressure 70Pa) 220-240V 50Hz



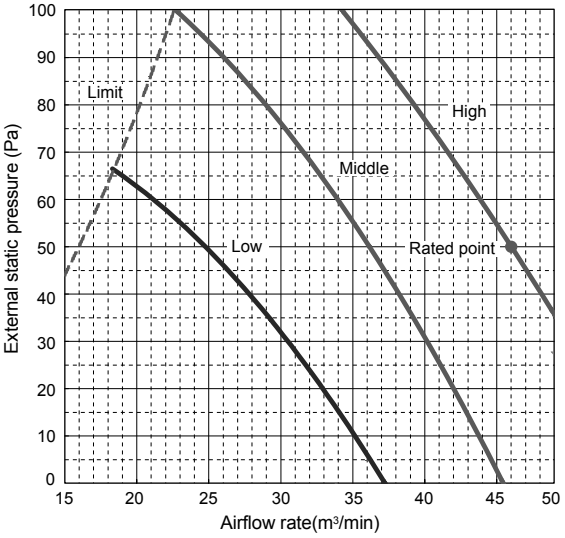
PEAD-RP140JA(L)
(External static pressure 35Pa) 220-240V 50Hz



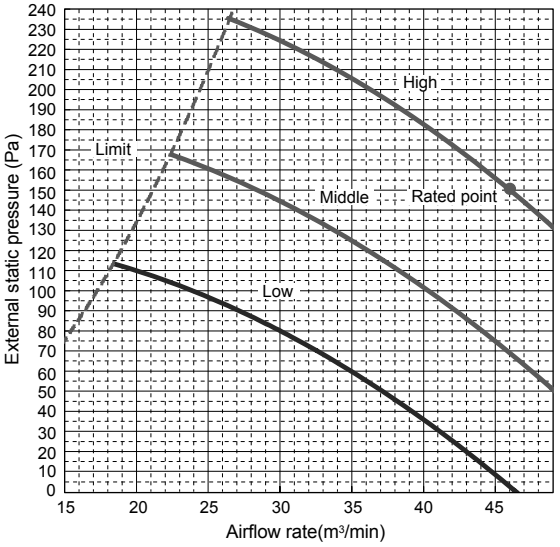
PEAD-RP140JA(L)
(External static pressure 100Pa) 220-240V 50Hz



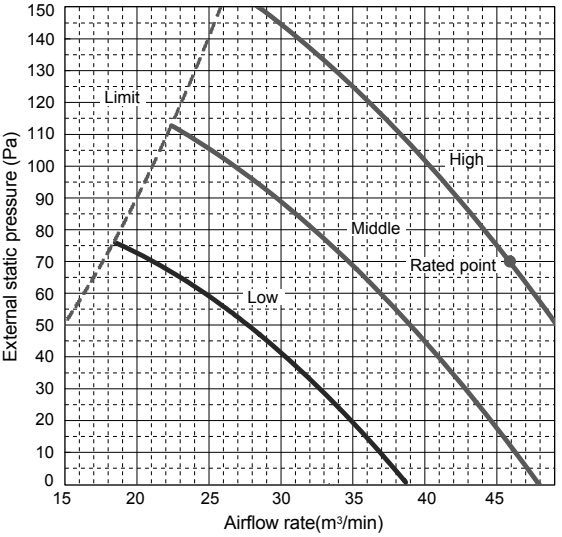
PEAD-RP140JA(L)
(External static pressure 50Pa) 220-240V 50Hz



PEAD-RP140JA(L)
(External static pressure 150Pa) 220-240V 50Hz

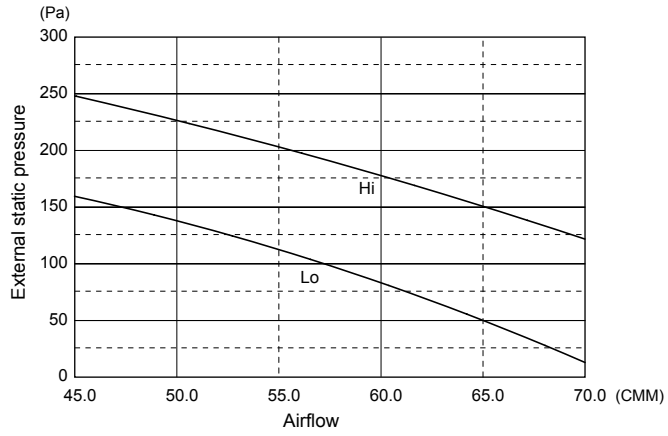


PEAD-RP140JA(L)
(External static pressure 70Pa) 220-240V 50Hz

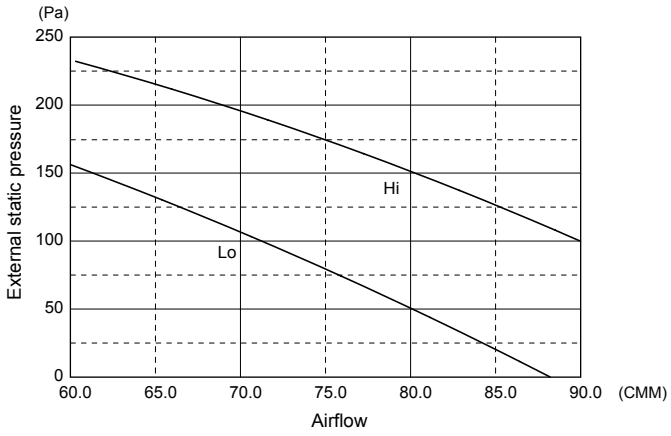


9-5. PEA-RP·GA
Fan Performance Curve

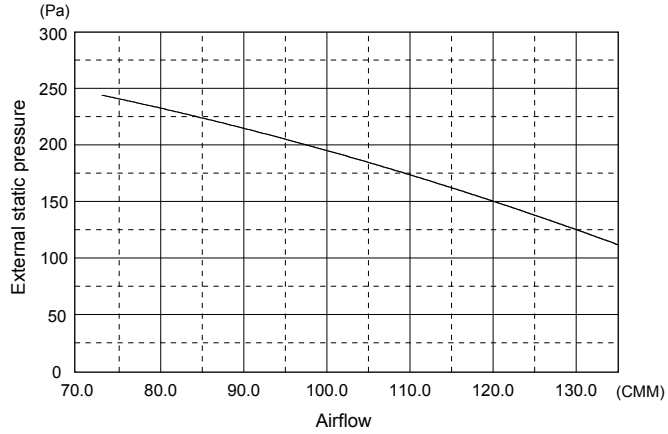
PEA-RP200GA
Fan Performance Curve 50Hz



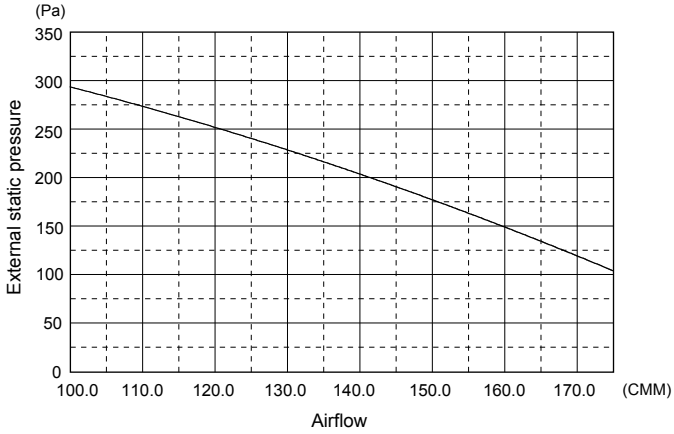
PEA-RP250GA
Fan Performance Curve 50Hz



PEA-RP400GA
Fan Performance Curve 50Hz



PEA-RP500GA
Fan Performance Curve 50Hz

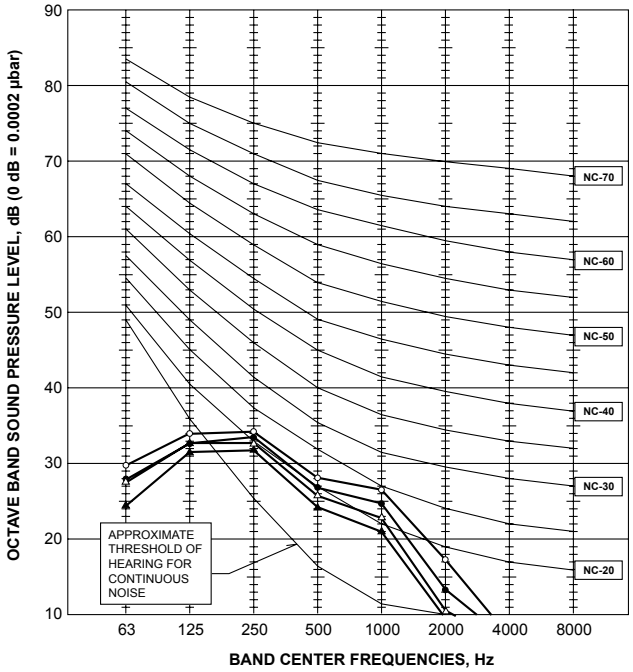


10 NOISE CRITERION CURVES

10-1. INDOOR UNIT

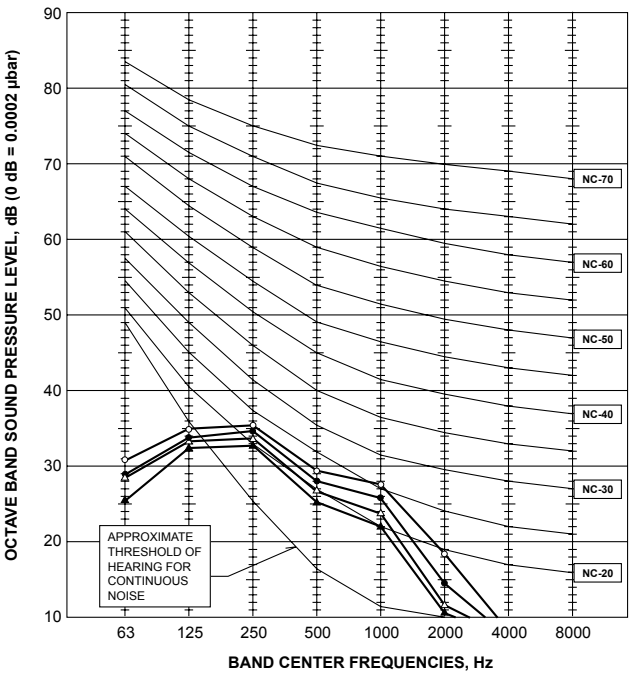
PLA-RP35BA

NOTCH	SPL(dB)	LINE
High	31	
Medium1	29	
Medium2	28	
Low	27	



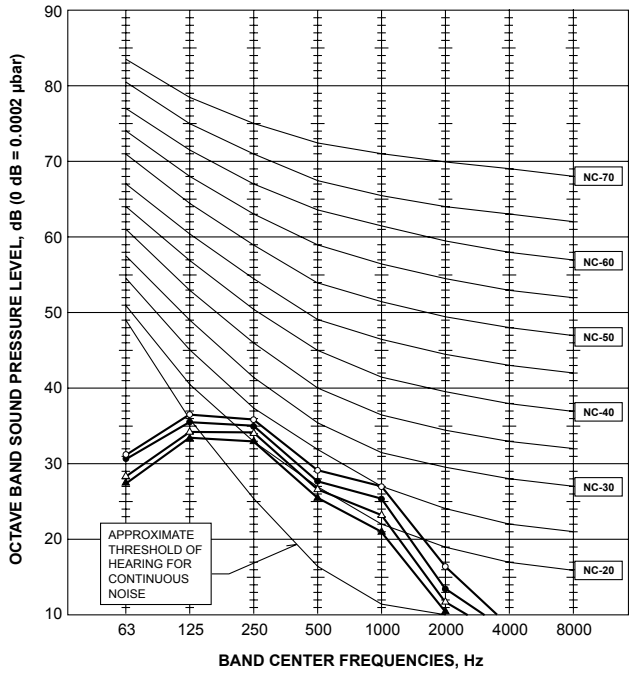
PLA-RP50BA

NOTCH	SPL(dB)	LINE
High	32	
Medium1	31	
Medium2	29	
Low	28	



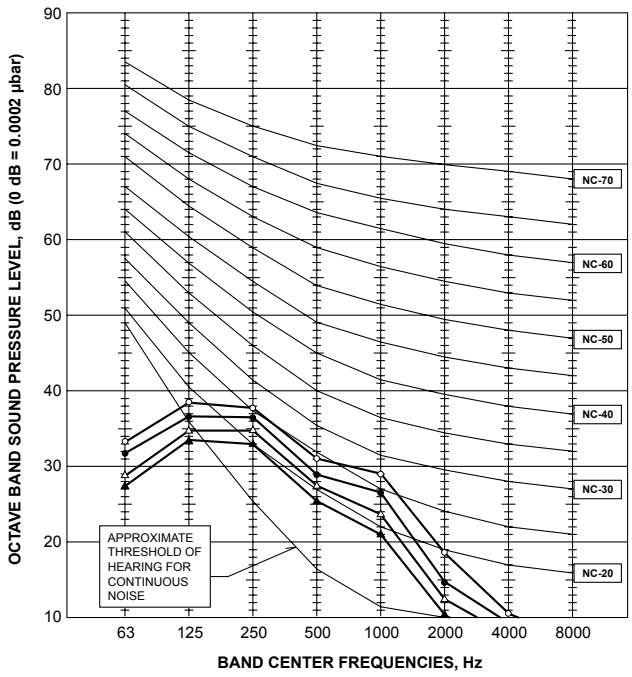
PLA-RP60BA

NOTCH	SPL(dB)	LINE
High	32	
Medium1	31	
Medium2	29	
Low	28	



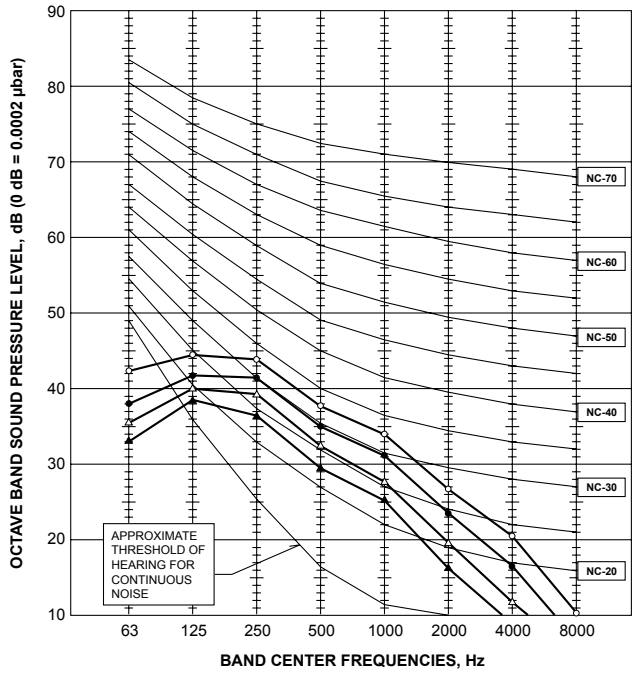
PLA-RP71BA
PLA-RP71BA2

NOTCH	SPL(dB)	LINE
High	34	
Medium1	32	
Medium2	30	
Low	28	



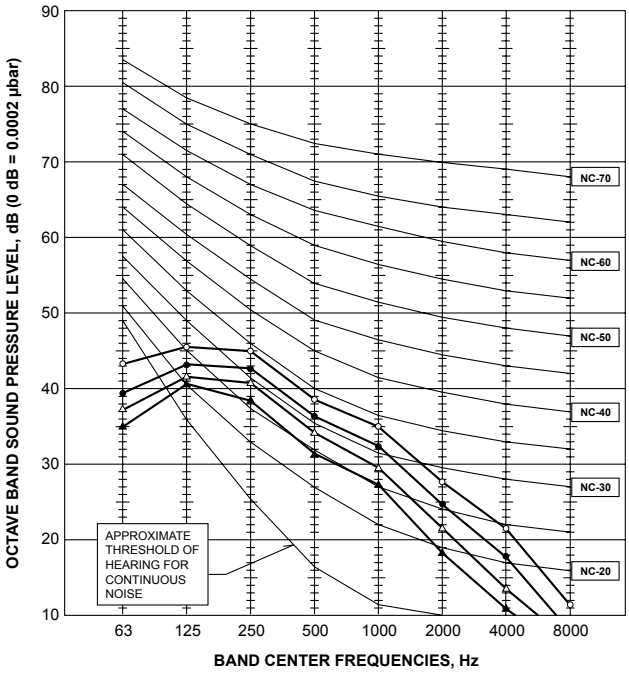
PLA-RP100BA
PLA-RP100BA3

NOTCH	SPL(dB)	LINE
High	40	
Medium1	37	
Medium2	34	
Low	32	



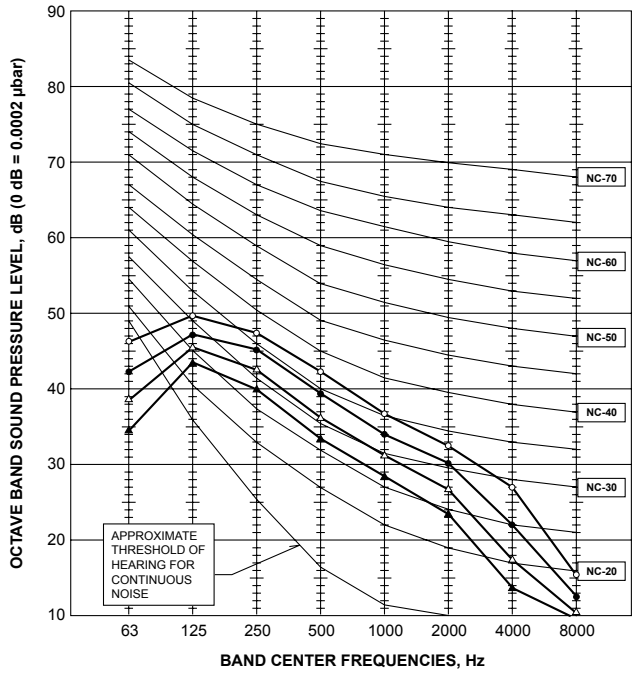
PLA-RP125BA
PLA-RP125BA2

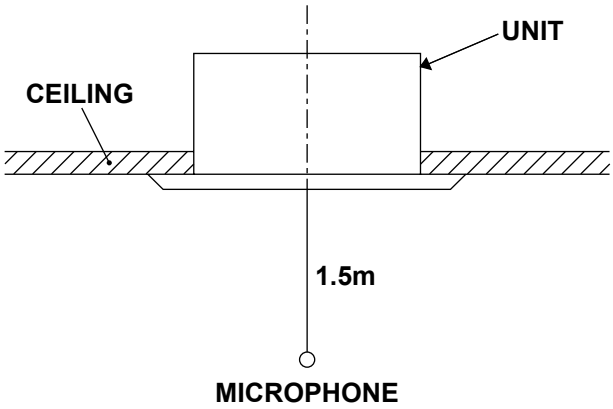
NOTCH	SPL(dB)	LINE
High	41	
Medium1	39	
Medium2	36	
Low	34	



PLA-RP140BA2

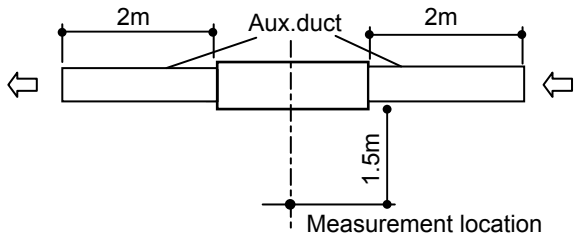
NOTCH	SPL(dB)	LINE
High	44	
Medium1	42	
Medium2	39	
Low	36	





PEAD-RP·JA(L)

Ceiling concealed

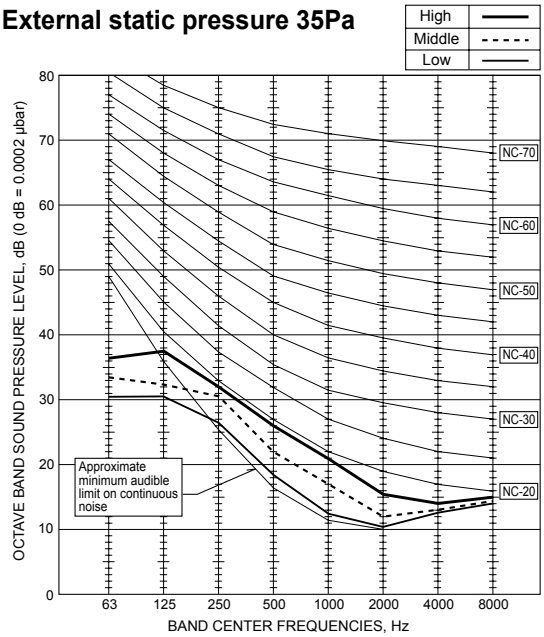


Noise level at anechoic room (Low-Middle-High) Unit: dB(A)

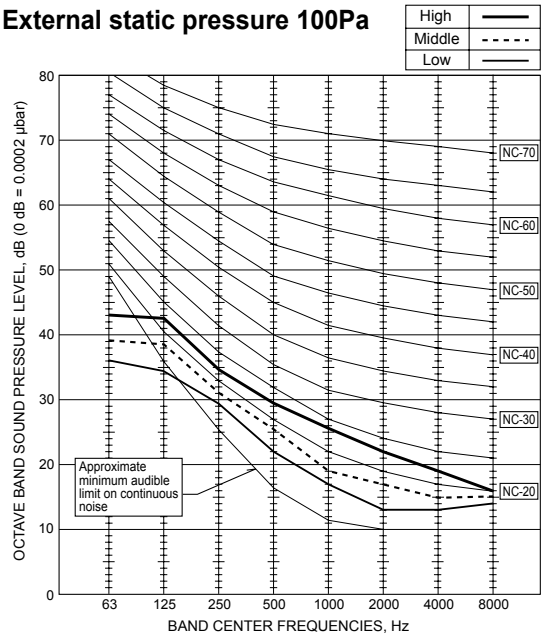
Model	Exrernal static pressure				
	35Pa	50Pa	70Pa	100Pa	150Pa
PEAD-RP35JA(L)	23-26-29	23-27-30	24-28-31	26-29-33	29-33-37
PEAD-RP50JA(L)	25-30-34	26-31-35	28-32-36	29-33-37	31-35-39
PEAD-RP60JA(L)	25-28-32	25-29-33	26-30-34	27-31-35	29-34-38
PEAD-RP71JA(L)	25-29-34	26-30-34	27-31-35	28-32-36	30-35-39
PEAD-RP100JA(L)	28-33-38	29-34-38	30-35-39	31-36-40	34-40-43
PEAD-RP125JA(L)	31-36-40	33-36-40	33-37-41	34-39-42	37-41-45
PEAD-RP140JA(L)	33-37-43	34-38-43	34-39-44	36-40-45	38-42-46

PEAD-RP35JA(L)

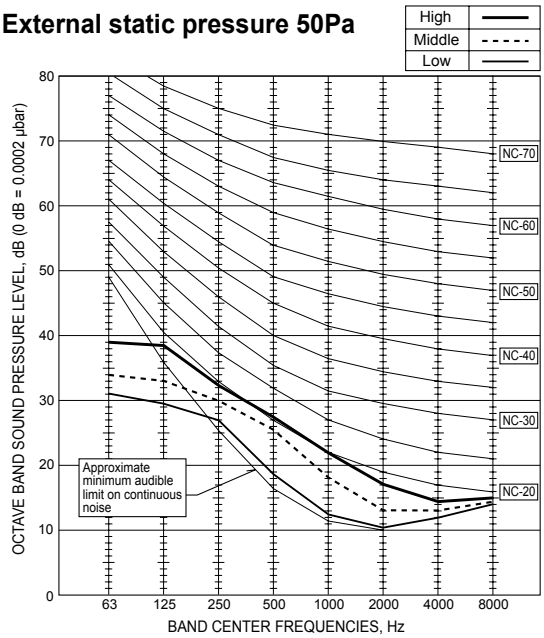
External static pressure 35Pa



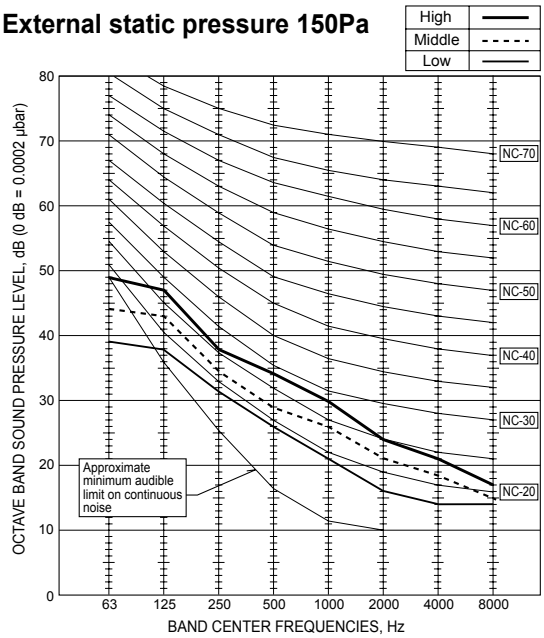
External static pressure 100Pa



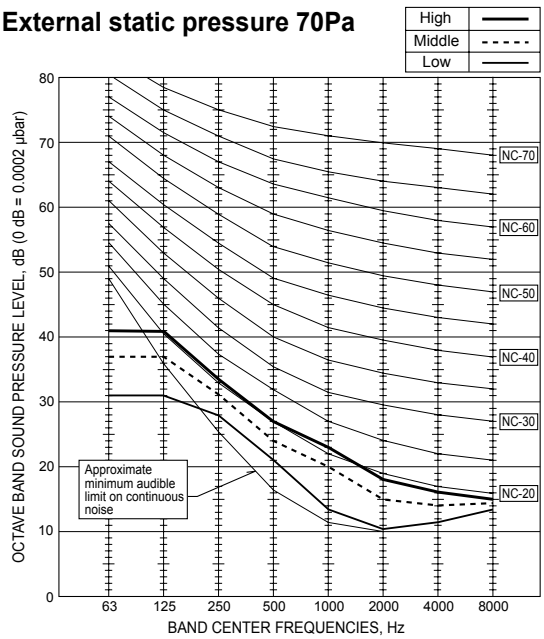
External static pressure 50Pa



External static pressure 150Pa

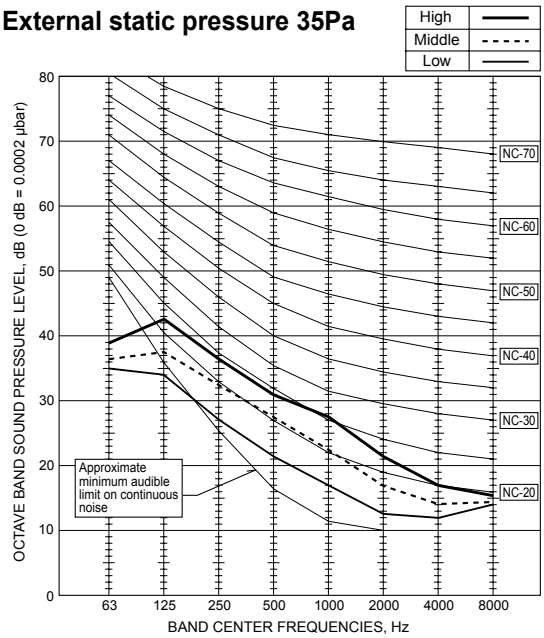


External static pressure 70Pa

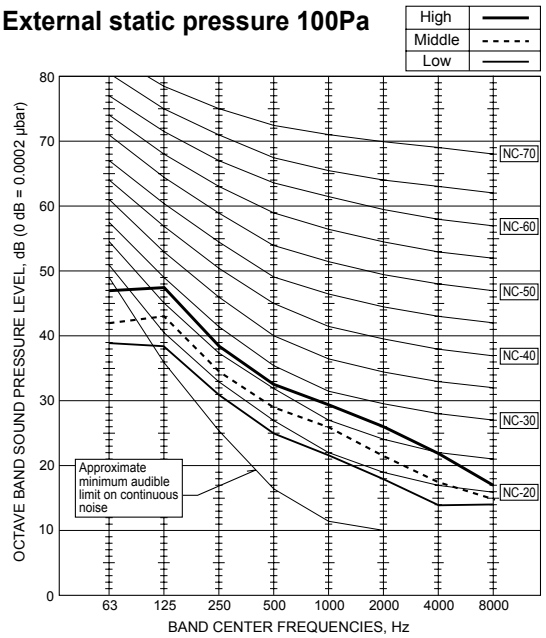


PEAD-RP50JA(L)

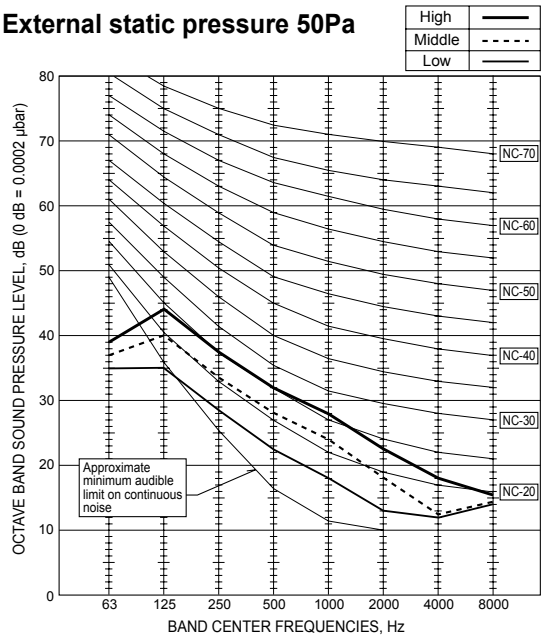
External static pressure 35Pa



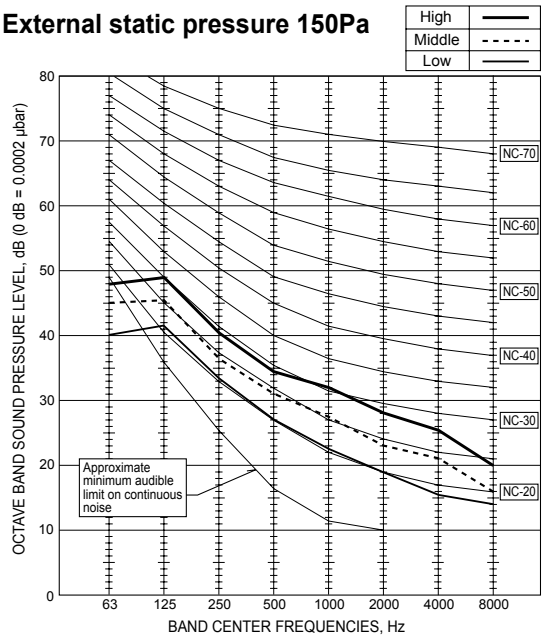
External static pressure 100Pa



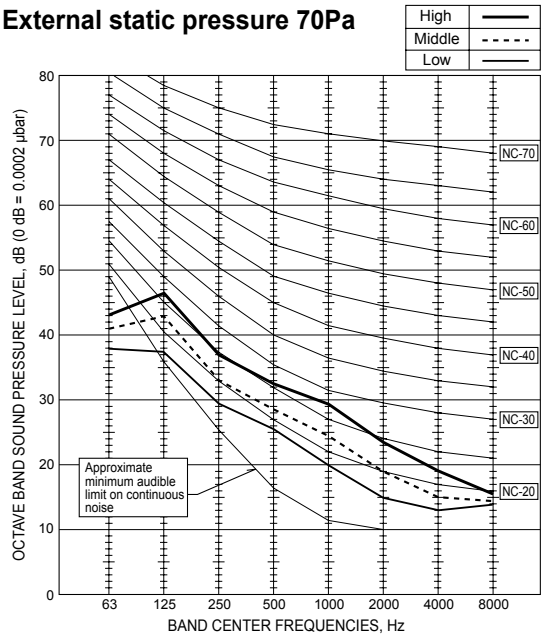
External static pressure 50Pa



External static pressure 150Pa

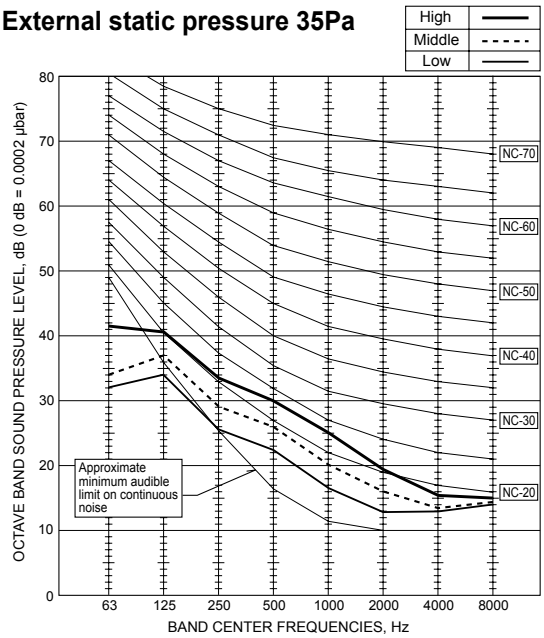


External static pressure 70Pa

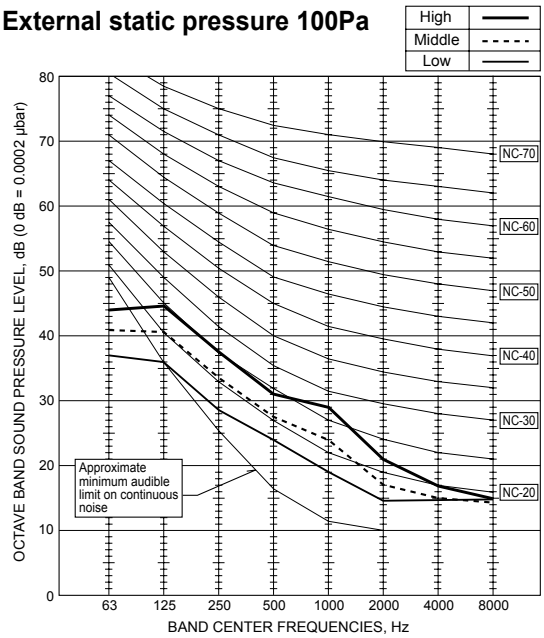


PEAD-RP60JA(L)

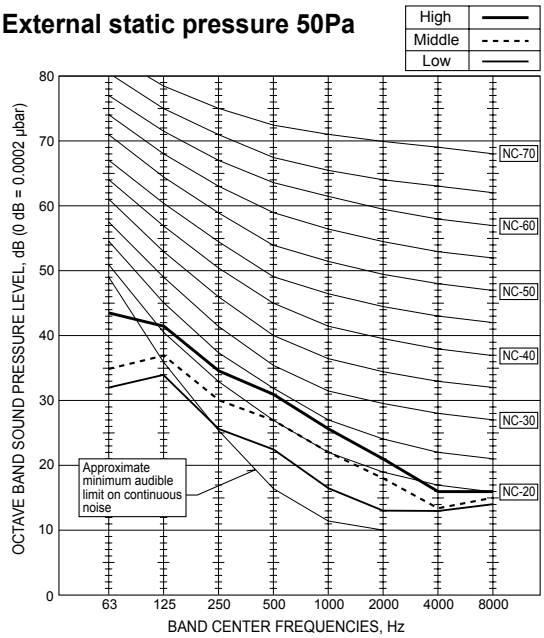
External static pressure 35Pa



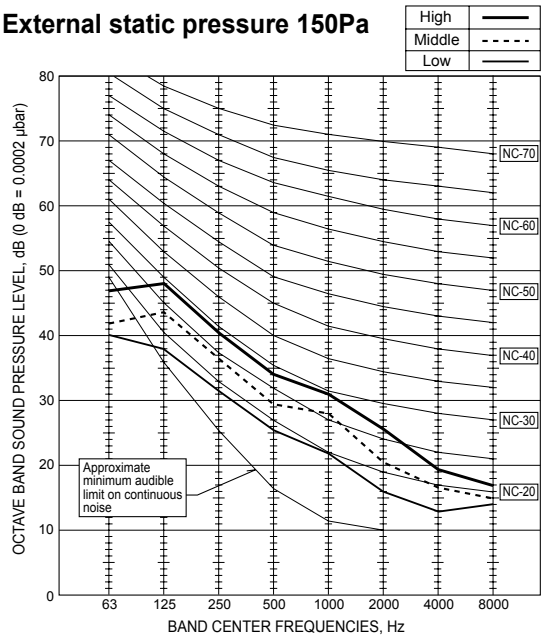
External static pressure 100Pa



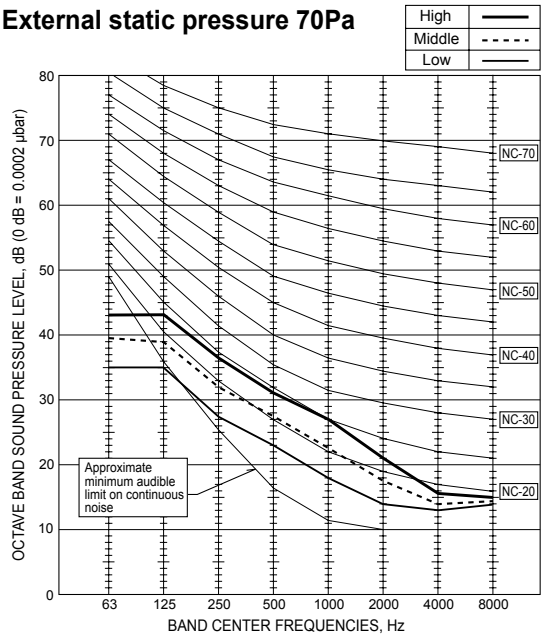
External static pressure 50Pa



External static pressure 150Pa

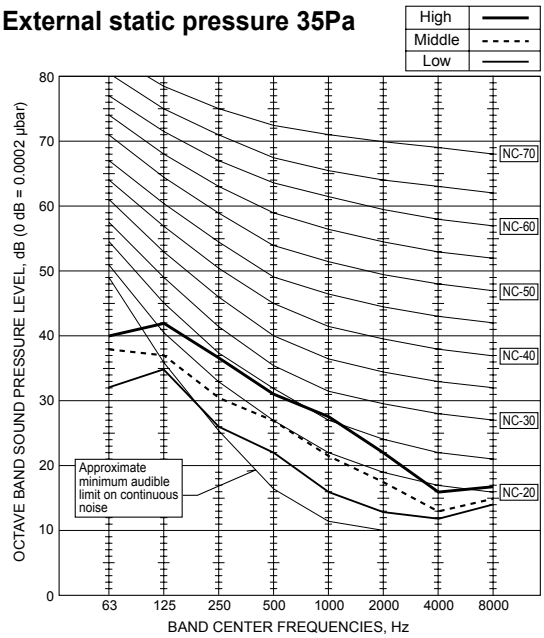


External static pressure 70Pa

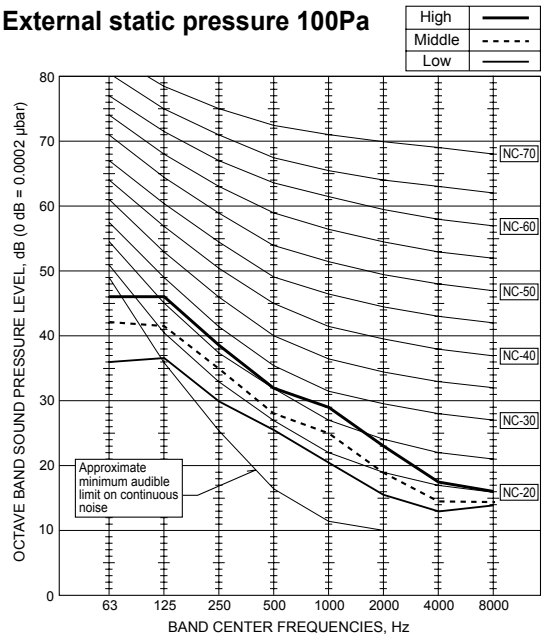


PEAD-RP71JA(L)

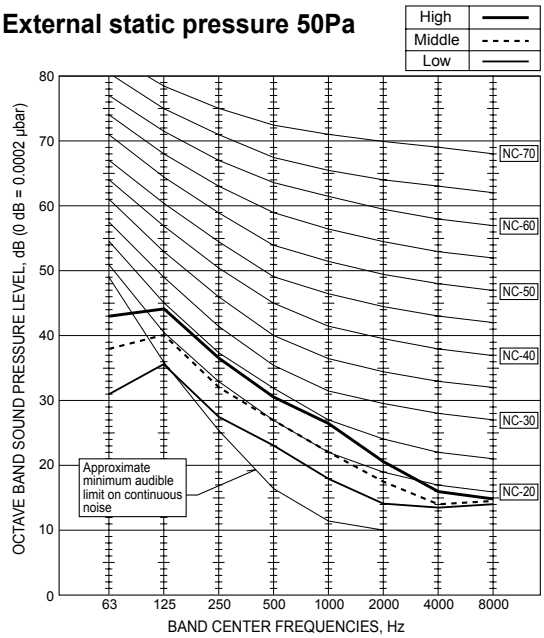
External static pressure 35Pa



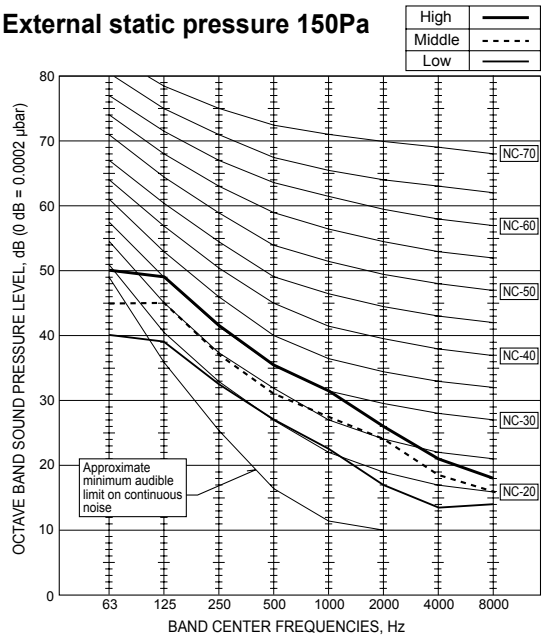
External static pressure 100Pa



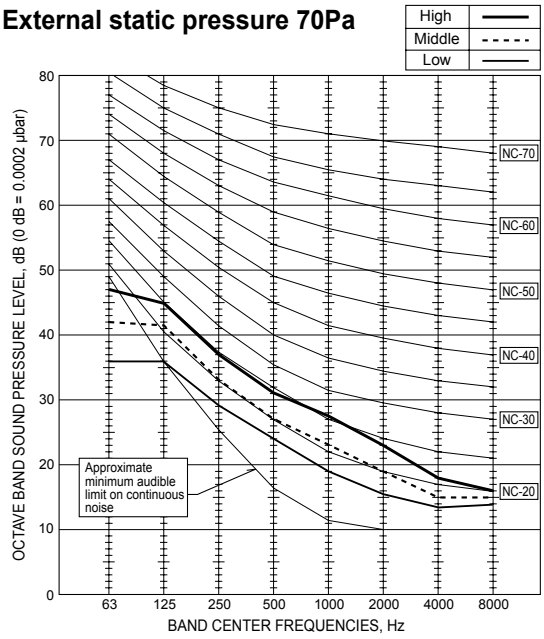
External static pressure 50Pa



External static pressure 150Pa

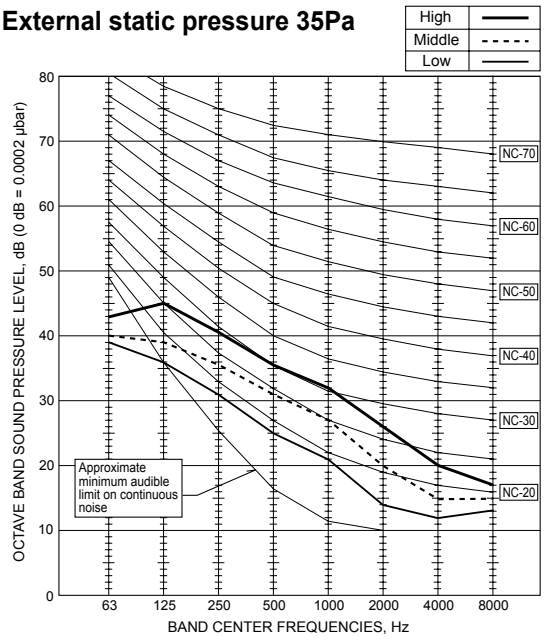


External static pressure 70Pa

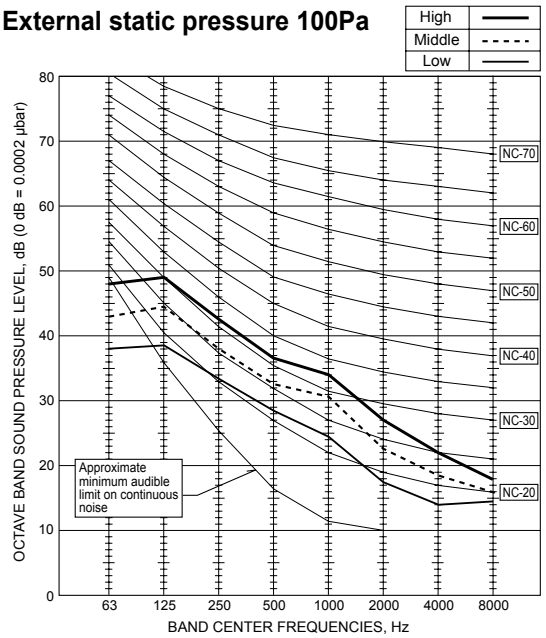


PEAD-RP100JA(L)

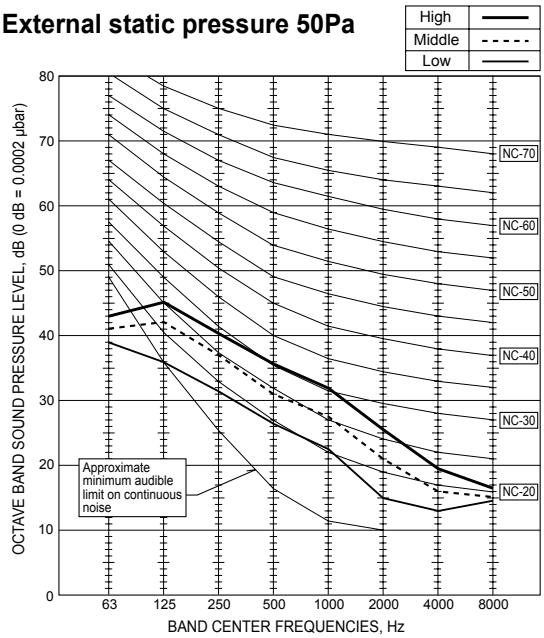
External static pressure 35Pa



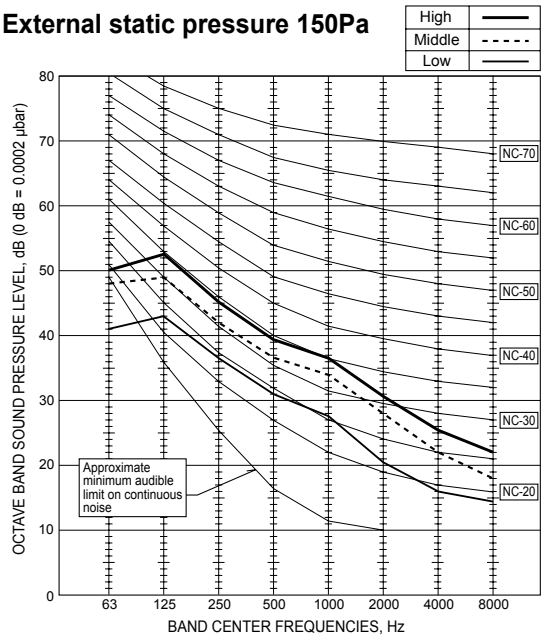
External static pressure 100Pa



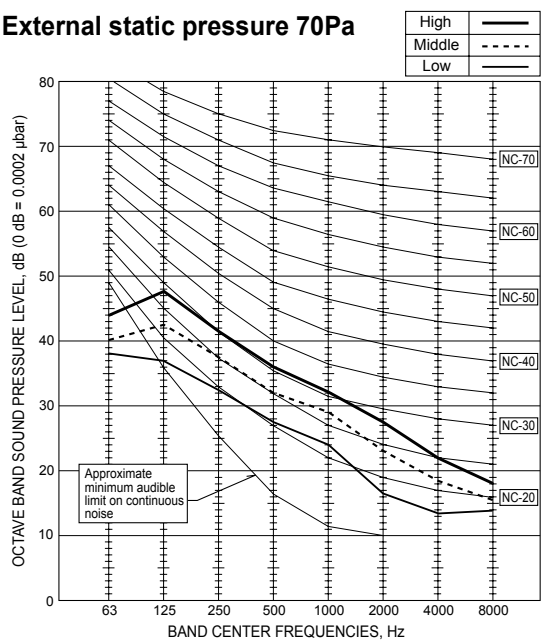
External static pressure 50Pa



External static pressure 150Pa

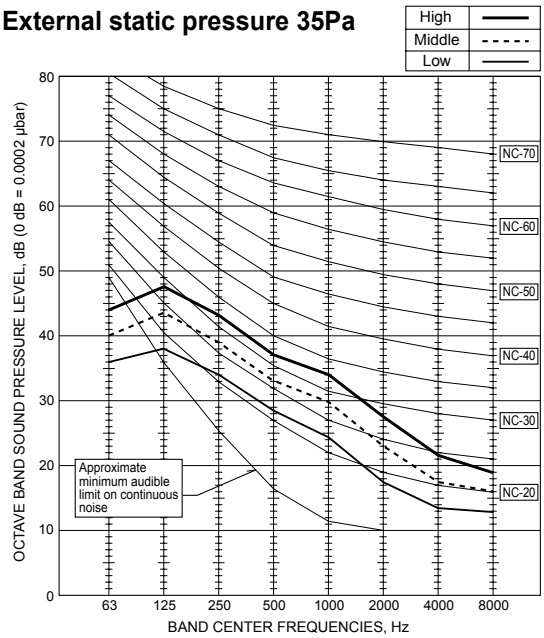


External static pressure 70Pa

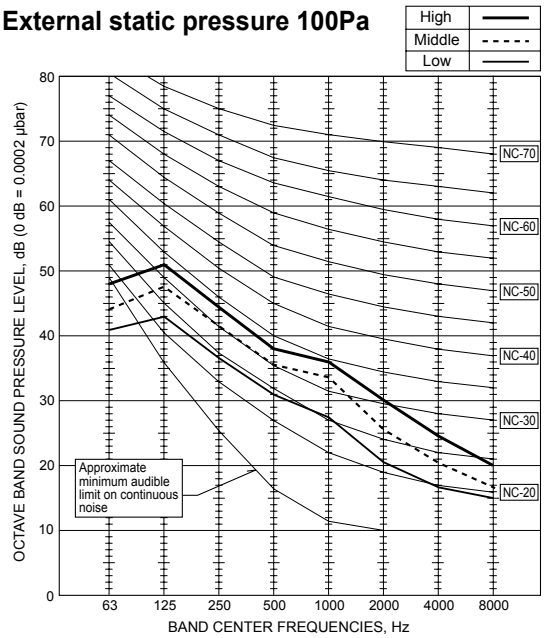


PEAD-RP125JA(L)

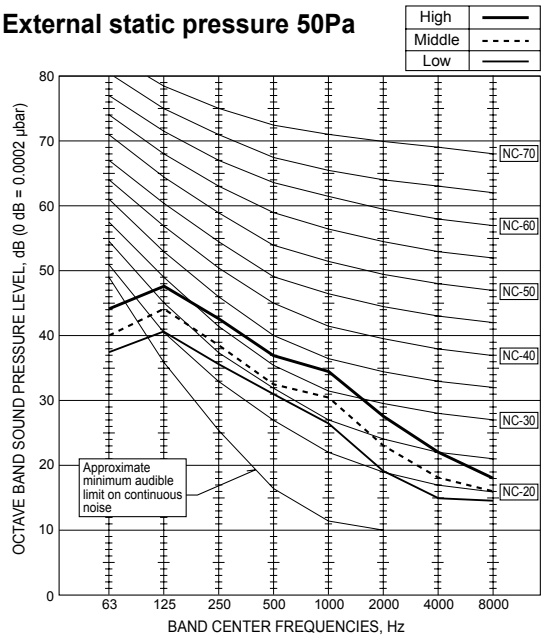
External static pressure 35Pa



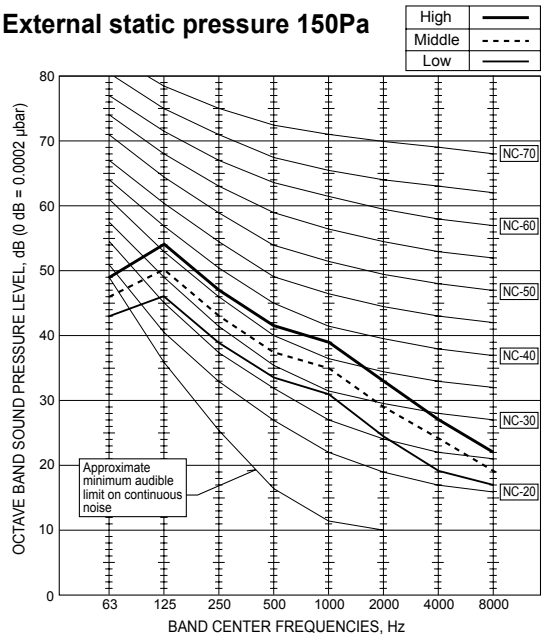
External static pressure 100Pa



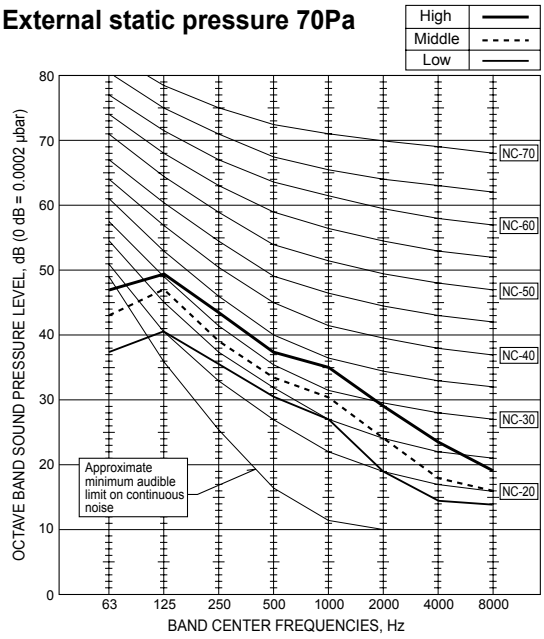
External static pressure 50Pa



External static pressure 150Pa

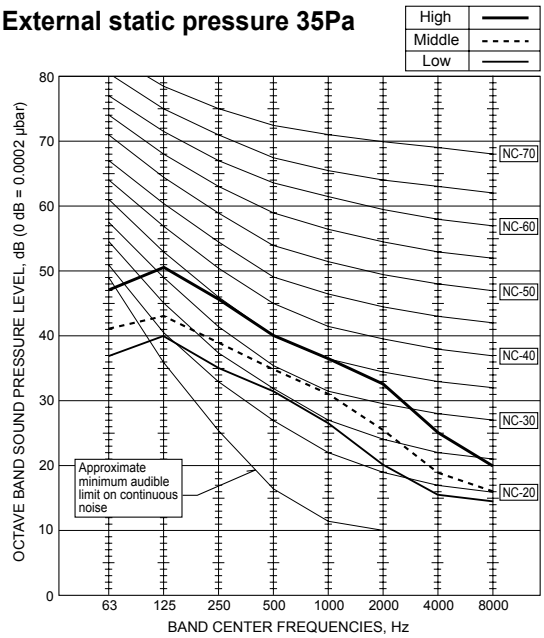


External static pressure 70Pa

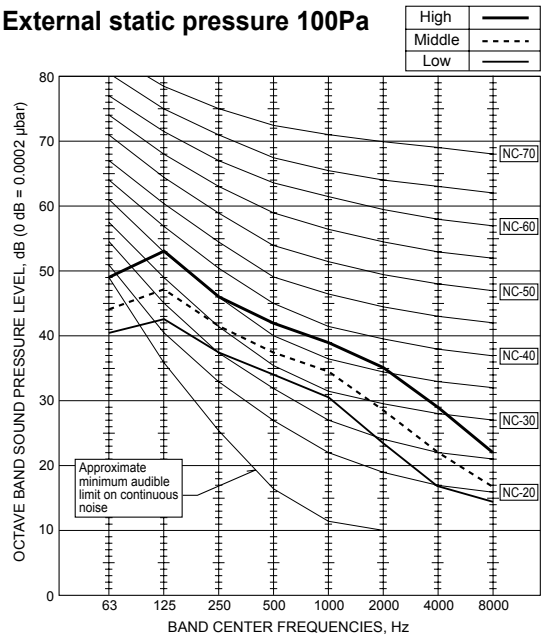


PEAD-RP140JA(L)

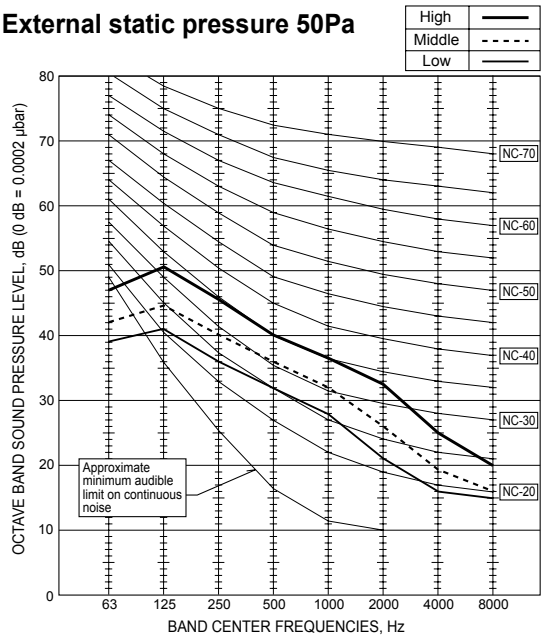
External static pressure 35Pa



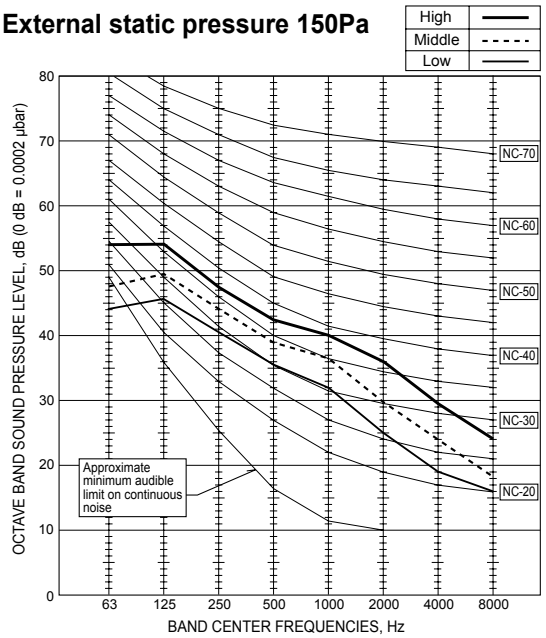
External static pressure 100Pa



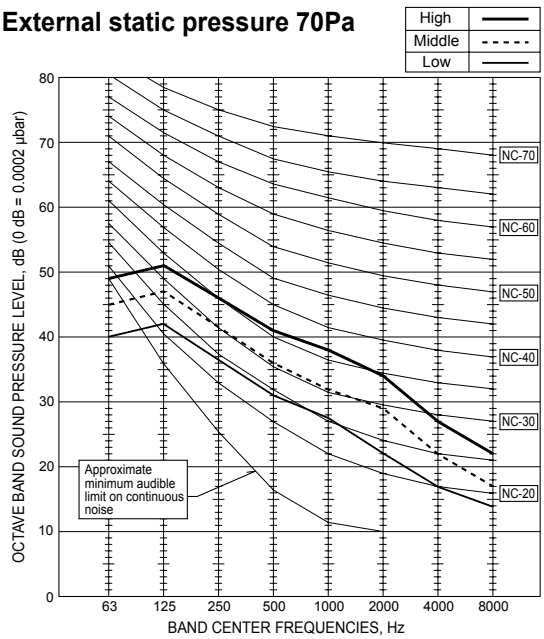
External static pressure 50Pa



External static pressure 150Pa



External static pressure 70Pa



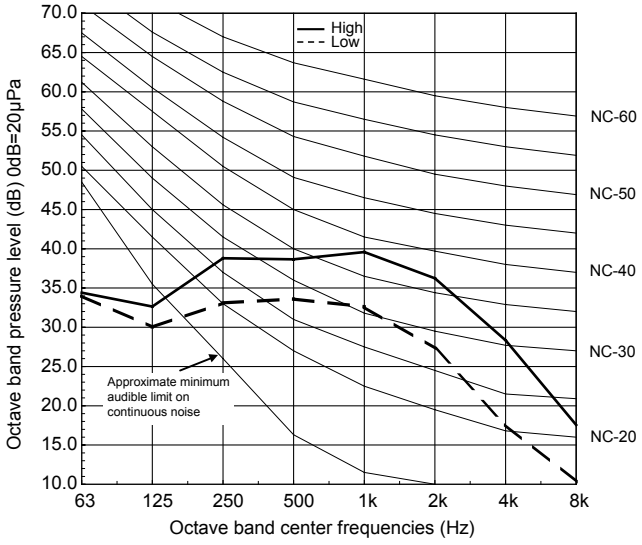
SOUND LEVELS

Low-Middle-High

Model	Sound level dB (A)
PKA-RP35, 50HAL	36 - 40 - 43
PKA-RP60, 71KAL	39 - 42 - 45
PKA-RP100KAL	41 - 45 - 49

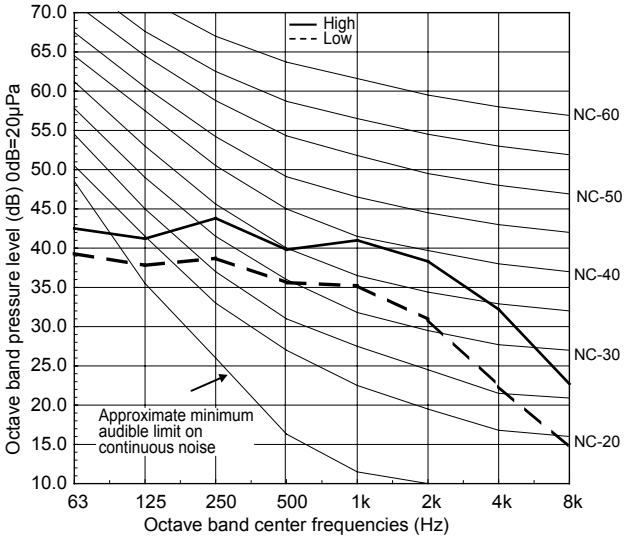
PKA-RP35HAL
PKA-RP50HAL

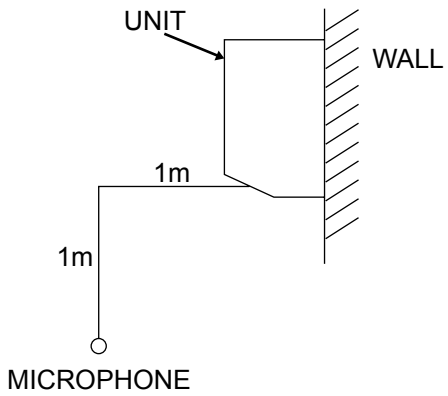
External static pressure : 0Pa
Power source : 220, 230, 240V, 50Hz



PKA-RP60KAL
PKA-RP71KAL

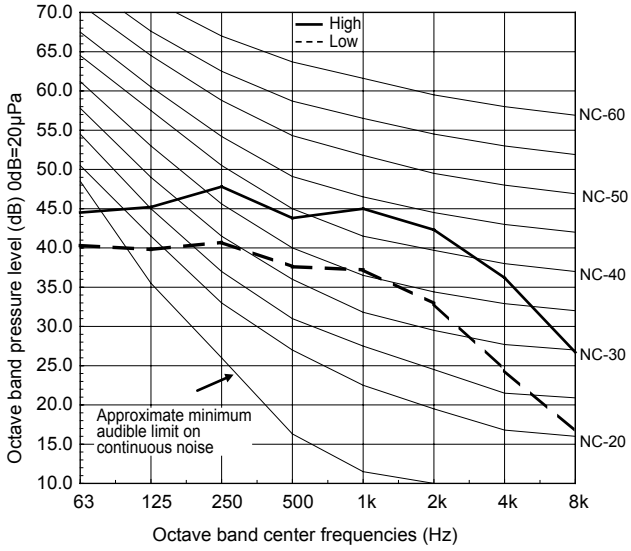
External static pressure : 0Pa
Power source : 220, 230, 240V, 50Hz





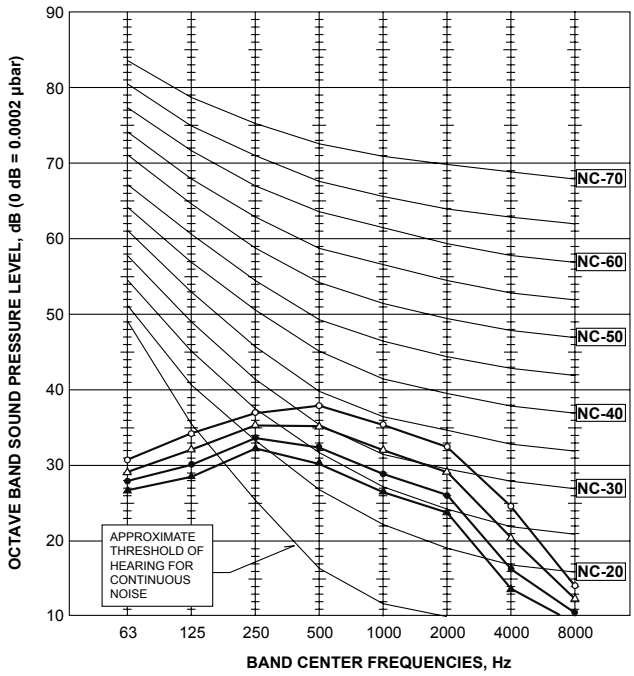
PKA-RP100KAL

External static pressure : 0Pa
Power source : 220, 230, 240V, 50Hz



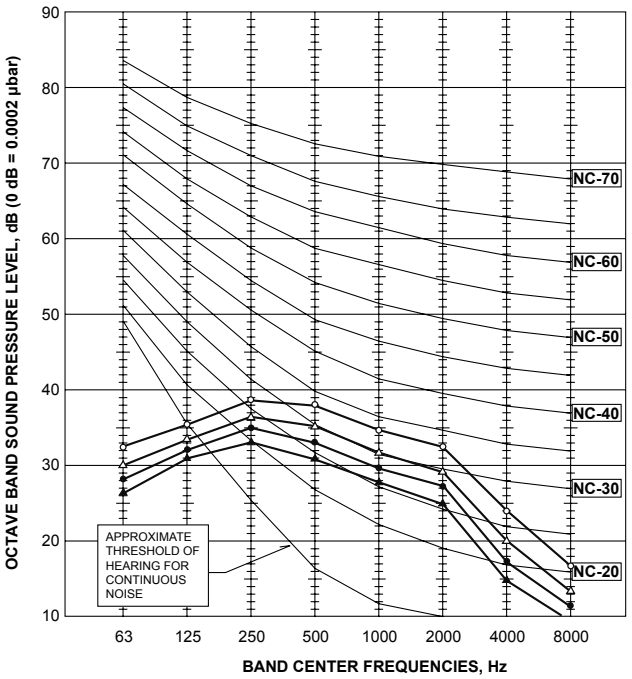
PCA-RP50KA

NOTCH	SPL(dB)	LINE
High	40	○—○
Medium1	37	△—△
Medium2	34	●—●
Low	32	▲—▲



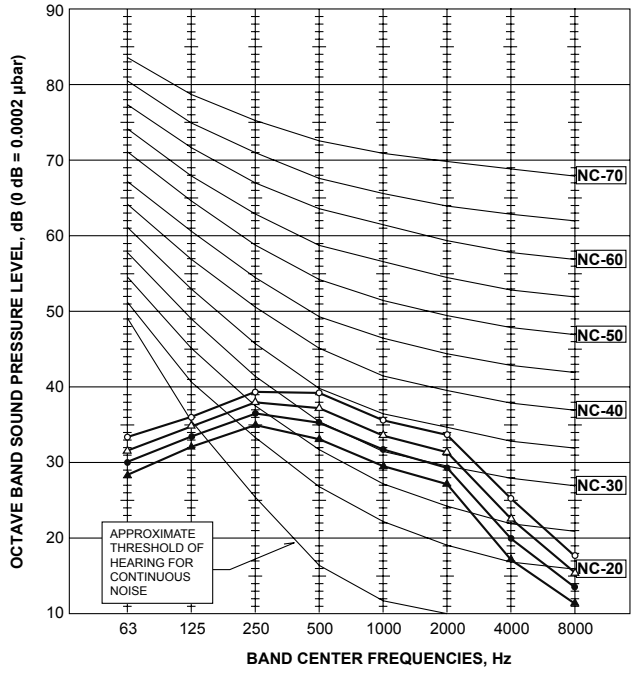
PCA-RP60KA

NOTCH	SPL(dB)	LINE
High	40	○—○
Medium1	37	△—△
Medium2	35	●—●
Low	33	▲—▲



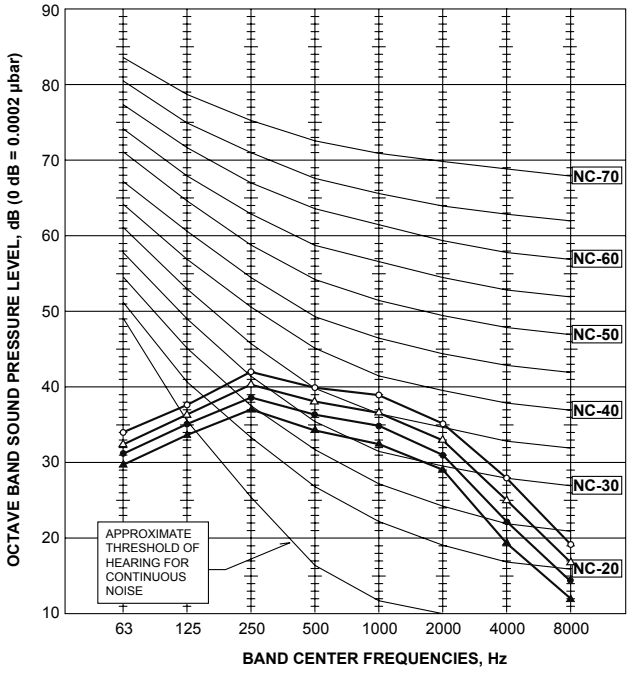
PCA-RP71KA

NOTCH	SPL(dB)	LINE
High	41	○—○
Medium1	39	△—△
Medium2	37	●—●
Low	35	▲—▲



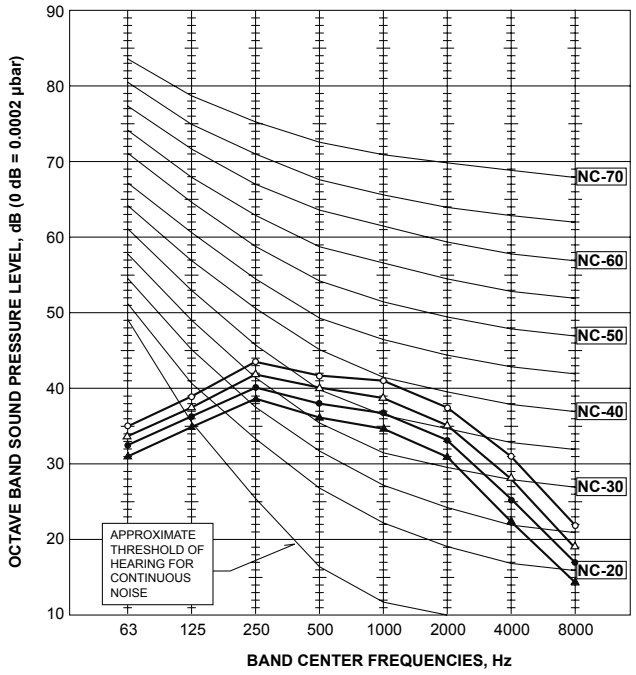
PCA-RP100KA

NOTCH	SPL(dB)	LINE
High	43	○—○
Medium1	41	△—△
Medium2	39	●—●
Low	37	▲—▲



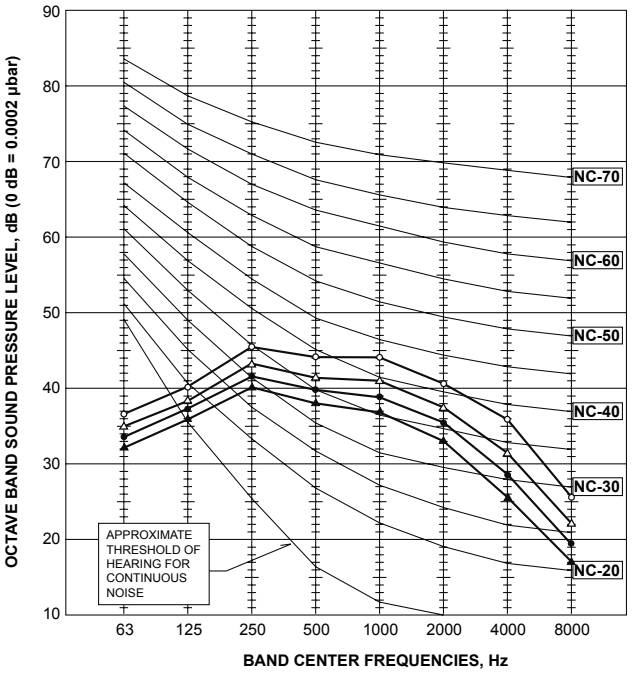
PCA-RP125KA

NOTCH	SPL(dB)	LINE
High	45	
Medium1	43	
Medium2	41	
Low	39	



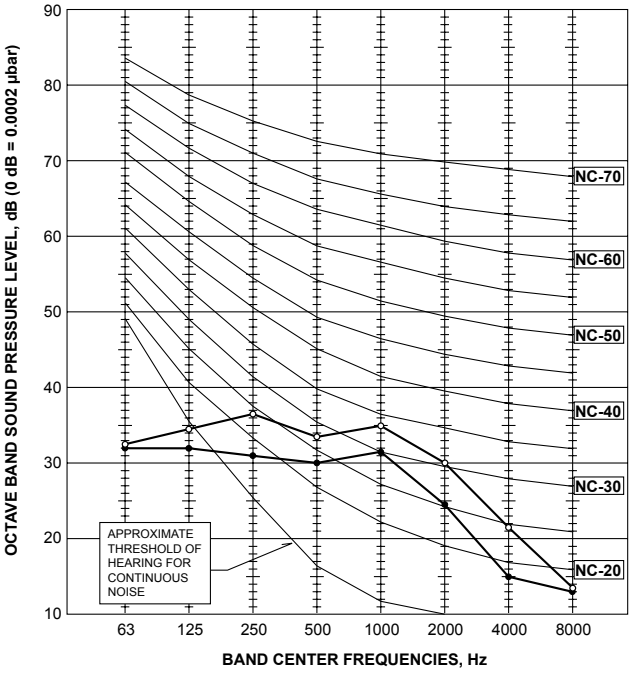
PCA-RP140KA

NOTCH	SPL(dB)	LINE
High	48	
Medium1	45	
Medium2	43	
Low	41	



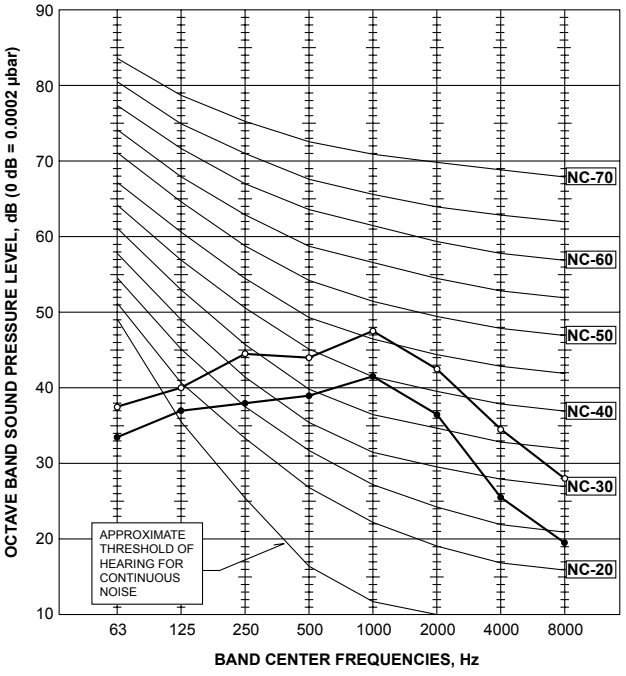
PCA-RP71HA

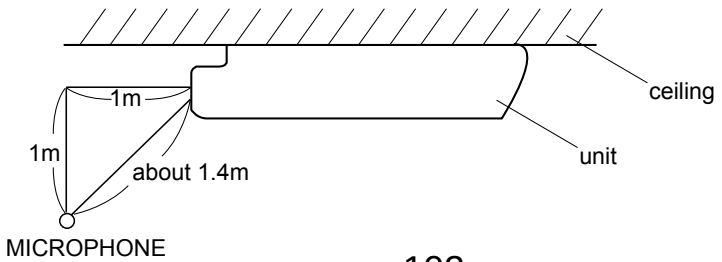
NOTCH	SPL(dB)	LINE
High	38	
Low	34	



PCA-RP125HA

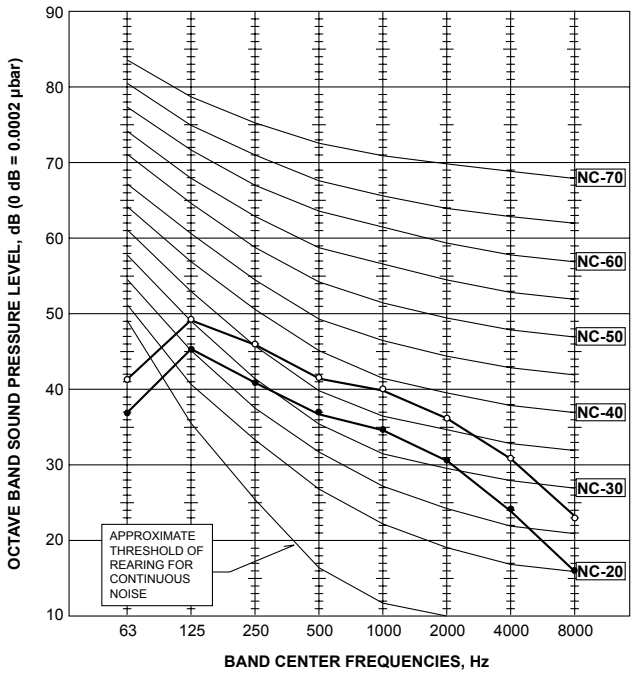
NOTCH	SPL(dB)	LINE
High	50	
Low	44	





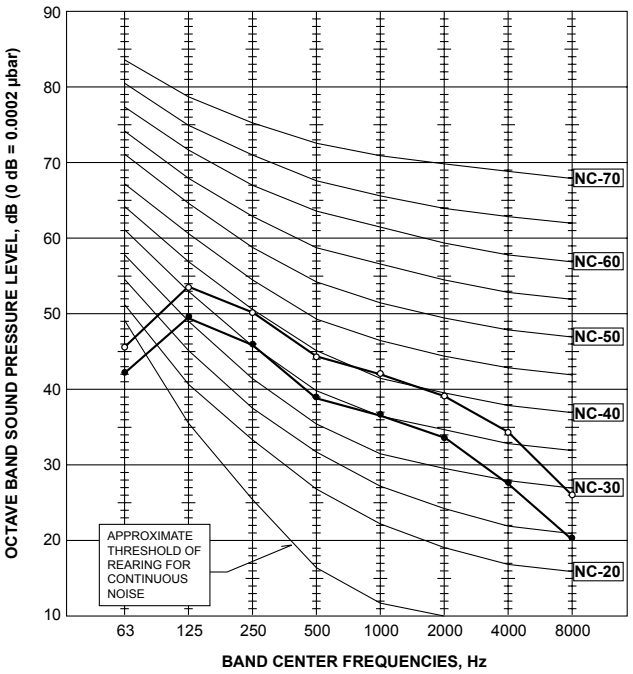
PSA-RP71GA

NOTCH	SPL(dB)	LINE
High	45	○—○
Low	40	●—●



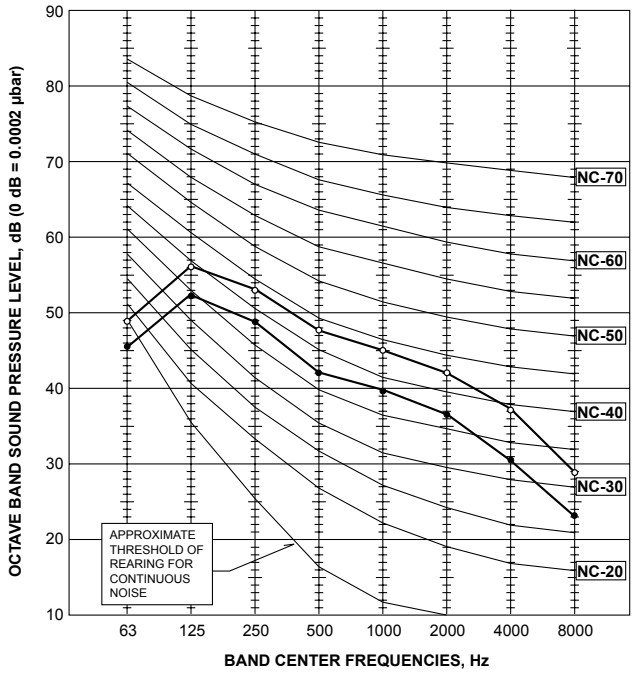
PSA-RP100GA

NOTCH	SPL(dB)	LINE
High	49	○—○
Low	44	●—●



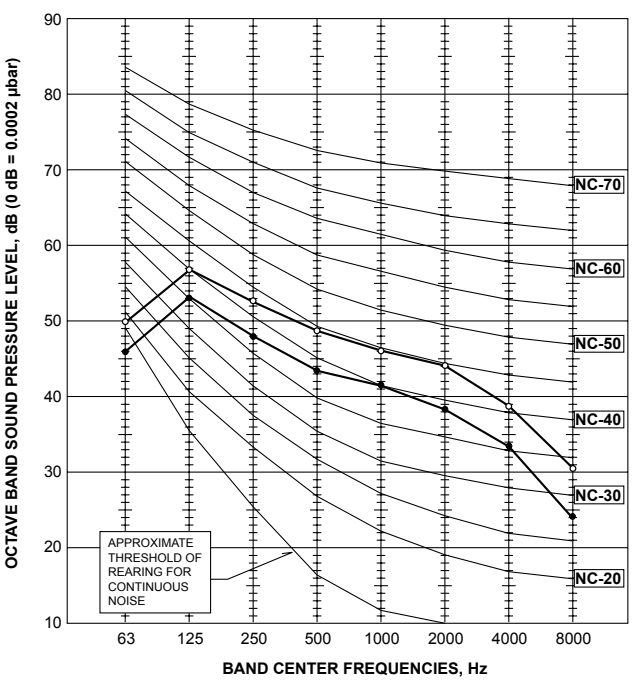
PSA-RP125GA

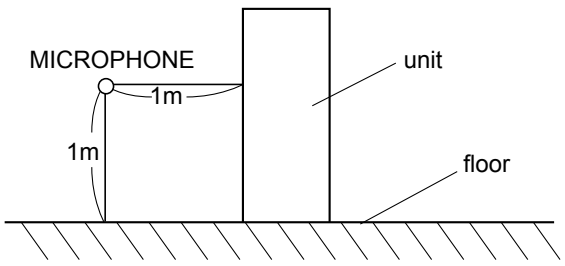
NOTCH	SPL(dB)	LINE
High	51	○—○
Low	46	●—●



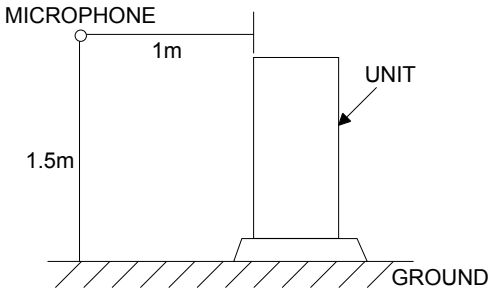
PSA-RP140GA

NOTCH	SPL(dB)	LINE
High	52	○—○
Low	47	●—●



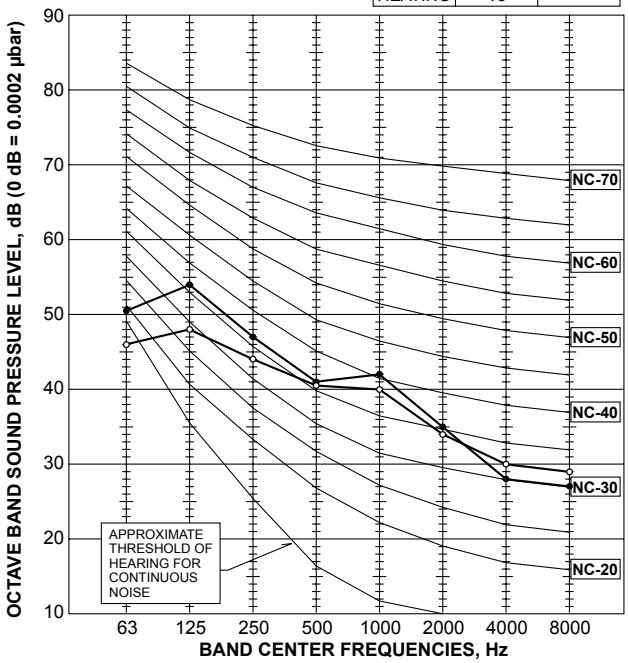


10-2. OUTDOOR UNIT



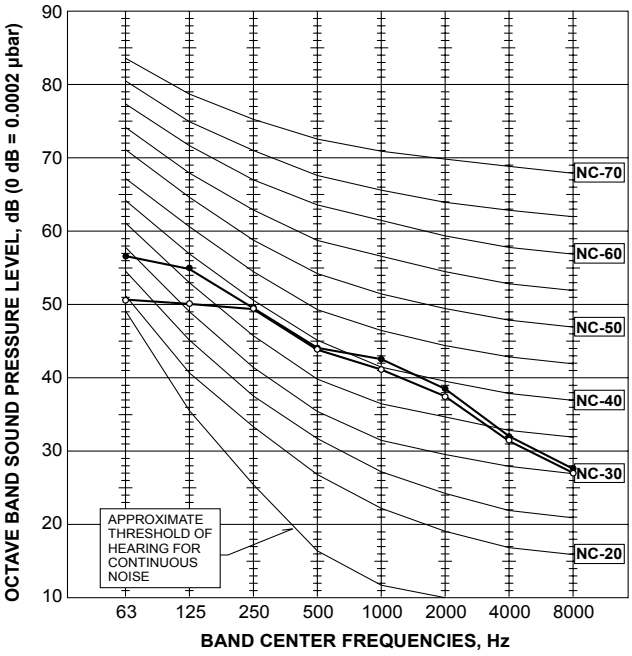
PUHZ-RP35VHA4
PUHZ-RP50VHA4

MODE	SPL(dB)	LINE
COOLING	44	○—○
HEATING	46	●—●



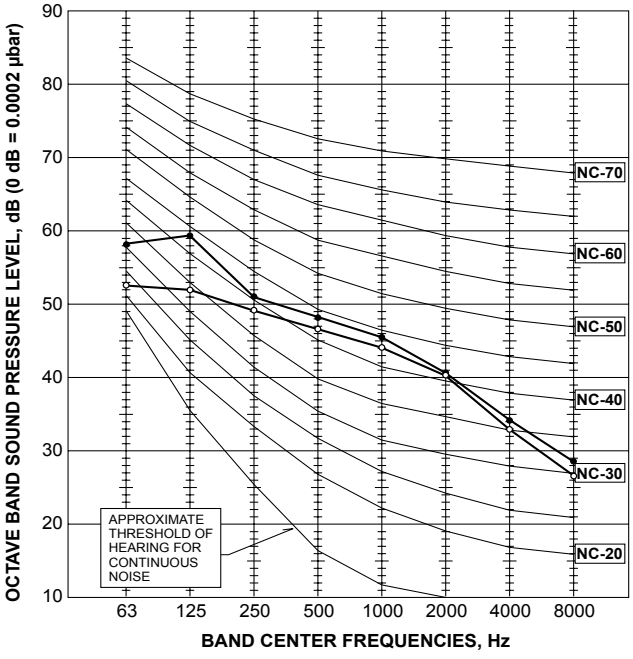
PUHZ-RP60VHA4
PUHZ-RP71VHA4

MODE	SPL(dB)	LINE
COOLING	47	○—○
HEATING	48	●—●



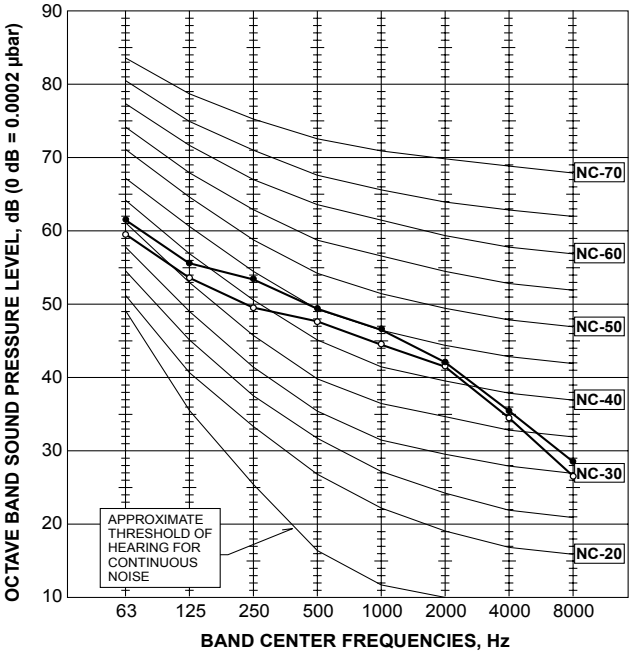
PUHZ-RP100VKA
PUHZ-RP100YKA

MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	51	●—●



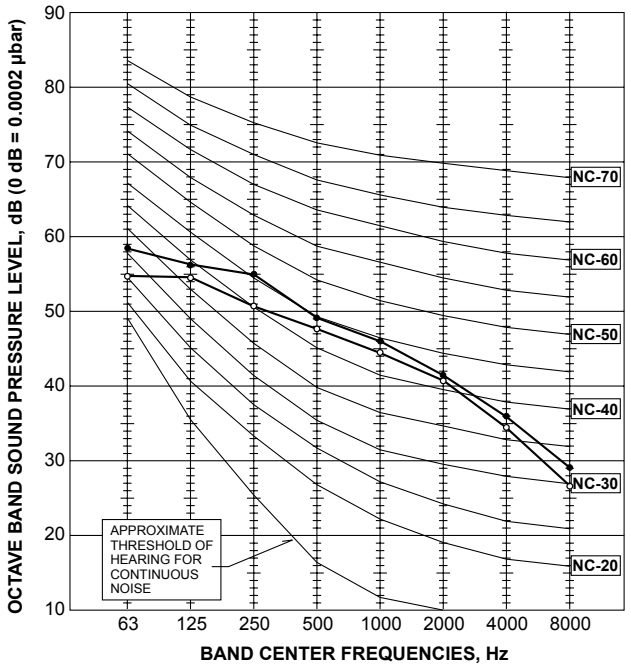
PUHZ-RP125VKA
PUHZ-RP125YKA

MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	52	●—●



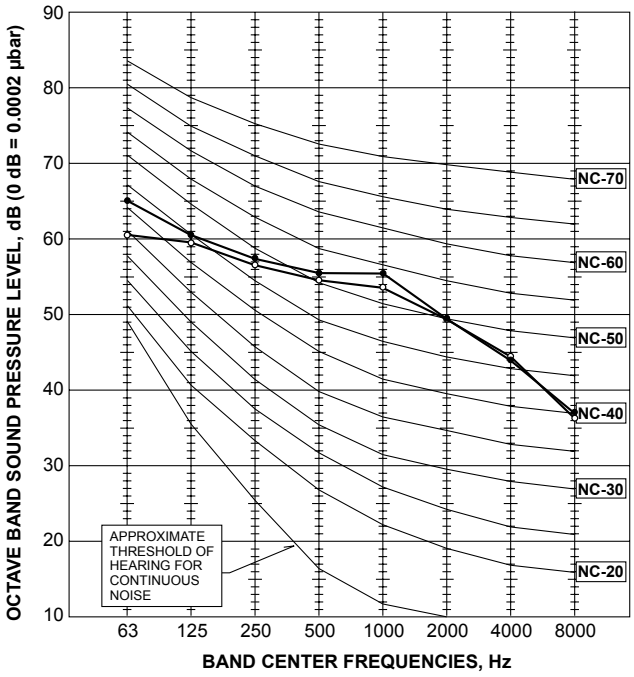
PUHZ-RP140VKA
PUHZ-RP140YKA

MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	52	●—●



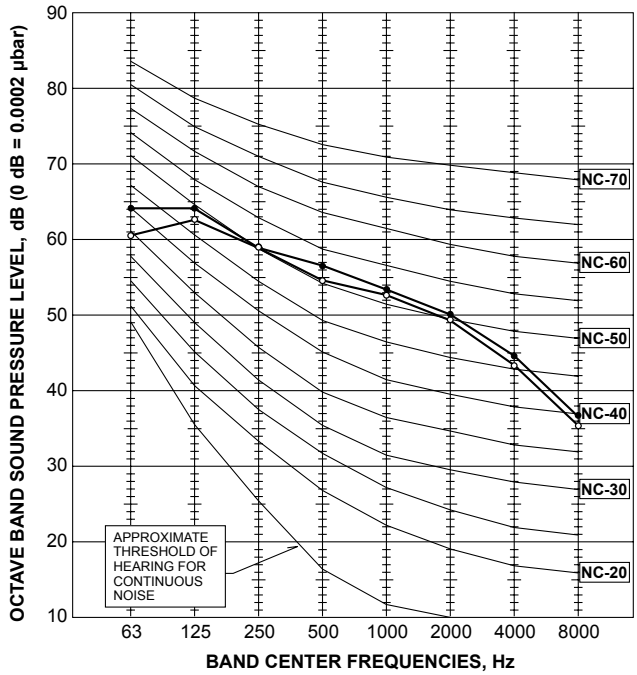
PUHZ-RP200YKA

MODE	SPL(dB)	LINE
COOLING	58	○—○
HEATING	59	●—●



PUHZ-RP250YKA

MODE	SPL(dB)	LINE
COOLING	58	○—○
HEATING	59	●—●



11 OPTIONAL PARTS

11-1. INDOOR UNIT

Part Name		Model Name	Applicable model
Remote sensor		PAC-SE41TS-E	All models
Remote operation adapter		PAC-SF40RM-E	All models except PEA-RP400/500GA
Multiple remote controller adapter		PAC-SA88HA-E (1pc.)	
		PAC-725AD (10pcs.)	
Remote on/off adapter		PAC-SE55RA-E	
Power supply terminal kit	L/N/Earth	PAC-SG96HR-E	PCA-RP·KA, PSA-RP·GA
		PAC-SG94HR-E	PKA-RP·HAL/KAL
		PAC-SH52HR-E	PLA-RP·BA/BA2/BA3
	L/N	PAC-SG97HR-E	PCA-RP·HA PEAD-RP·JA(L)
Decoration panel		PLP-6BA	PLA-RP·BA/BA2/BA3
Decoration panel with Wireless remote controller		PLP-6BALM	
Decoration panel with Wired remote controller		PLP-6BAMD	
Decoration panel with i-see sensor		PLP-6BAE	
Decoration panel with i-see sensor, Wireless remote controller		PLP-6BALME	
Decoration panel with i-see sensor, Wired remote controller		PLP-6BAMDE	
Automatic filter elevation panel		PLP-6BAJ	
i-see sensor corner panel		PAC-SA1ME-E	
Wireless signal receiver		PAR-SA9FA-E	
Space panel		PAC-SH48AS-E	
Air outlet shutter plate		PAC-SH51SP-E	
Multi-function casement		PAC-SH53TM-E	
Flange for fresh air intake		PAC-SH65OF-E	
High-efficiency filter element (PAC-SH53TM-E is needed.)		PAC-SH59KF-E	
Wireless remote controller kit		PAR-SL94B-E	PCA-RP·KA
Drain pump		PAC-SH83DM-E	PCA-RP50KA
		PAC-SH85DM-E	PCA-RP60KA
		PAC-SH84DM-E	PCA-RP71,100, 125, 140KA
High-efficiency filter		PAC-SH88KF-E	PCA-RP50KA
		PAC-SH89KF-E	PCA-RP60, 71KA
		PAC-SH90KF-E	PCA-RP100, 125, 140KA
Duct flange for fresh air		PAC-SF28OF-E	PCA-RP·HA
Oil mist filter element (12pcs)		PAC-SG38KF-E	
Decoration cover (Front + Suspending bracket cover)		PAC-SF81KC-E	PCA-RP71HA
		PAC-SF82KC-E	PCA-RP125HA
Wired remote controller (with terminal bed)		PAR-21MAAT-E	PKA-RP·HAL
			PKA-RP·KAL
Drain pump		PAC-SH75DM-E	PKA-RP·HAL
		PAC-SH94DM-E	PKA-RP·KAL
Filter box		PAC-KE92TB-E	PEAD-RP35, 50JA(L)
		PAC-KE93TB-E	PEAD-RP60, 71JA(L)
		PAC-KE94TB-E	PEAD-RP100, 125JA(L)
		PAC-KE95TB-E	PEAD-RP140JA(L)

11-2. OUTDOOR UNIT

Part Name		Model Name	Applicable model
M-NET adapter		PAC-SF81MA-E	PUHZ-RP35-250
A-control service tool		PAC-SK52ST	PUHZ-RP35-250
Drain socket		PAC-SG61DS-E	PUHZ-RP35-250
Air outlet guide (RP100-250 need 2 pieces.)		PAC-SG58SG-E	PUHZ-RP35, 50
		PAC-SG59SG-E	PUHZ-RP60, 71
		PAC-SH96SG-E	PUHZ-RP100-250
Air protect guide (RP100-250 need 2 pieces.)		PAC-SG56AG-E	PUHZ-RP35, 50
		PAC-SH63AG-E	PUHZ-RP60, 71
		PAC-SH95AG-E	PUHZ-RP100-250
Drain pan		PAC-SG63DP-E	PUHZ-RP35, 50
		PAC-SG64DP-E	PUHZ-RP60, 71
		PAC-SH97DP-E	PUHZ-RP100-250
Filter dryer	(ϕ6.35)	PAC-SG81DR-E	PUHZ-RP35, 50
	(ϕ9.52)	PAC-SG82DR-E	PUHZ-RP60-200
	(ϕ12.7)	PAC-SG85DR-E	PUHZ-RP250
Distribution pipe	(Twin)	MSDD-50TR-E	PUHZ-RP71-140
		MSDD-50WR-E	PUHZ-RP200, 250
	(Triple)	MSDT-111R-E	PUHZ-RP140-250
	(Quadruple)	MSDF-1111R-E	PUHZ-RP200, 250
Joint pipe (Unit → Extension pipe)	(ϕ15.88 → ϕ19.05)	PAC-SG75RJ-E	PUHZ-RP60-140
	(ϕ9.52 → ϕ12.7)	PAC-SG73RJ-E	PUHZ-RP60-200
	(ϕ12.7 → ϕ15.88)	PAC-SG74RJ-E	PUHZ-RP250
	(ϕ6.35 → ϕ9.52)	PAC-SG72RJ-E	PUHZ-RP35-50

Mr.SLIM™

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